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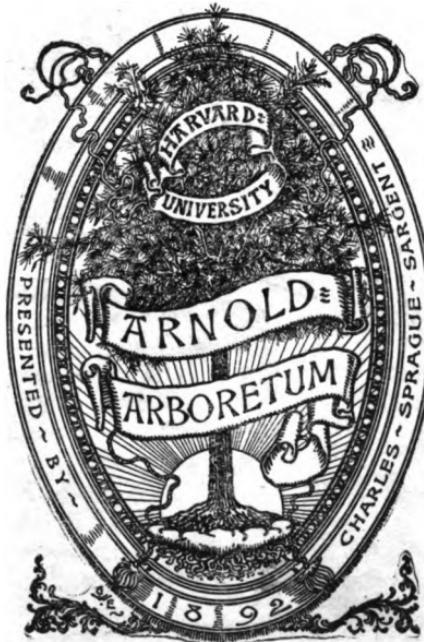
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# **FLORA GLOTTIANA.**



flora Glottiana.

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A CATALOGUE  
OF THE  
INDIGENOUS PLANTS  
ON THE BANKS OF THE  
RIVER CLYDE,  
AND IN THE NEIGHBOURHOOD OF THE  
CITY OF GLASGOW.

---

By THOMAS HOPKIRK,  
FELLOW OF THE LINNEAN SOCIETY, AND MEMBER OF THE WERNERIAN  
NATURAL HISTORY SOCIETY OF EDINBURGH.

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“varios hic flumina circum  
Fundit humus flores.”

VIRG. BUC.

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## INTRODUCTION.

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In making out the following Catalogue, I have in general confined myself to the country within a few miles on both sides of the river Clyde, from its Falls, above Lanark, to its junction with the sea some miles below the Town of Dumbarton.

For beauty, richness, and variety of scenery, the district of Clydesdale can scarcely perhaps be equalled, and although the number of rare plants falls short of what might be expected, from the variety of soil and situation, still it is sufficient to interest the Botanist, as will be perceived from an inspection of the Catalogue here presented to the public.

I have thought it best to include every plant *apparently* indigenous, although from situation or any other circumstance, their being originally so, may be doubtful, but to such plants I have affixed

a mark thus \*; also no plant has been inserted that I have not myself found, without giving the authority for it, and I have generally mentioned when such plant is no longer to be found in the situation quoted.

That the list of Plants in the Class Cryptogamia is imperfect, I am aware; but from the idea that it may prove useful to the Botanical Student to know the most general Cryptogamous inhabitants of this part of Scotland, I have been induced to insert it, limited though it is.

As the best possible arrangement, I have followed that of Dr. SMITH, in his admirable *Flora Britannica*, as far as that work is published, a work, which for clearness and conciseness of description, and for botanical knowledge, cannot be surpassed, and which may well entitle its Author, independent of any other circumstances, to the appellation of the first Botanist of the age.

DALBETH,  
September 6th, 1813. }

## BOOKS QUOTED AND CONSULTED.

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|                                                |                                                            |
|------------------------------------------------|------------------------------------------------------------|
| <i>Abbot.</i>                                  | Abbot's <i>Flora Bedfordiensis</i> .                       |
| <i>Ach. Prod.</i>                              | Acharius's <i>Lichenographiae Suecicæ Prodromus</i> .      |
| <i>Bolt.</i>                                   | Bolton's <i>Filices Britannicæ</i> .                       |
| <i>Bolt.</i>                                   | Bolton's <i>History of Fungusses</i> .                     |
| <i>Curt.</i>                                   | Curtis's <i>Flora Londinensis</i> .                        |
| <i>Dillen.</i>                                 | Dillenius's <i>Historia Muscorum</i> .                     |
| <i>Dillw.</i>                                  | Dillwyn's <i>Confervæ</i> .                                |
| <i>Eng. Bot.</i>                               | English Botany by Dr. Smith, published by Sowerby.         |
| <i>Flor. Brit.</i>                             | J. E. Smith's <i>Flora Britannica</i> .                    |
| <i>Hook. Brit. Jung.</i>                       | Hooker's <i>Monograph of the British Juncgermannia</i> .   |
| <i>Huds.</i>                                   | Hudson's <i>Flora Anglica</i> .                            |
| <i>Lin. Trans.</i>                             | Transactions of the Linnean Society.                       |
| <i>Martyn.</i>                                 | Martyn's Miller's Gardiner's Dictionary.                   |
| <i>Murray.</i>                                 | Murray's <i>Tour through Scotland</i> .                    |
| <i>Persoon.</i>                                | Persoon's <i>Synopsis Plantarum</i> .                      |
| <i>Sibth.</i>                                  | Sibthorp's <i>Flora Oxoniensis</i> .                       |
| <i>Turn. &amp; Borr.</i><br><i>Lich. Brit.</i> | Turner and Borrers' <i>Lichenographia Britannica</i> .     |
| <i>Sower.</i>                                  | Sowerby's <i>English Fungi</i> .                           |
| <i>Tur. Syn.</i>                               | Turner's <i>Synopsis of the British Fuci</i> .             |
| <i>Ure.</i>                                    | Ure's <i>History of Rutherglen and East-Kilbride</i> .     |
| <i>Willd.</i>                                  | Willdenow's <i>Species Plantarum Linnaei</i> .             |
| <i>With.</i>                                   | Withering's <i>Arrangement of British Plants</i> , 5th ed. |

## TYPOGRAPHICAL ERRORS.

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Page 7, line 11, for **CIRCEA**, read **CIRCSEA**.  
Page 9, line 32, for **hea**thy, read **heathy**.  
Page 18, Note d belongs to *Juncus sylvaticus*, page 48, not *Scirpus sylvaticus*.  
Page 36, last line but one, dele the point after Calder bridge.  
Page 57, line 9, for **hirsuta**, read **hirsuta**.  
Page 122, line 2, for **Atriplex**, read **Atriplex**.  
line 9, for **Ovache**, read **Ovache**.  
Page 129, line 17, for **Gyostomum**, read **Gymnostomum**.  
Page 141, in a few copies, for **III. ALGÆ**, read **IV. ALGÆ**.

## CLASS I.

### ***M O N A N D R I A.***

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#### **I. MONOGYNIA.**

##### **SALICORNIA, *Flor. Brit.* 2.**

*herbacea.* S. Marsh Samphire, or Jointed Glasswort.  
Annual. August, September.  
On the shore at Helensburgh, plentifully.

##### **HIPPURIS, *Flor. Brit.* 4.**

*vulgaris.* H. Mare's-tail. Perennial. May.  
In Castle-Semple loch.

##### **CHARA, *Flor. Brit.* 4.**

*vulgaris.* C. Common Chara, or Stinking Water  
Horse-tail. Annual. July.  
In ditches and rivers frequent. In the Clyde at  
Bogle's Hole Ford, and at Kenmuir. In Bar-  
dowie loch. Very plentifully in the river at Cart-  
lane Crags.

▲

*flexilis.* C. Smooth Chara. Annual. July, August.

In ditches, rivers, and lochs, frequent. In the Clyde at Bogle's Hole ford, growing with the *Vulgaris*. In Mugdock, Bardowie, and Frankfield lochs. In a ditch near Port-Dundas, and abundantly in one two miles beyond Possil.

ZOSTERA, *Flor. Brit.* 7.

*marina.* Z. Grass-Wrack. Perennial. August, September.

In salt-water ditches. Found thrown on the shore by the tide at Helensburgh.

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II. DIGYNIA.

CALLITRICHE, *Flor. Brit.* 8.

*aquatica.* C. Water Star-Wort. Annual. April to October.

In ditches and stagnant water, very common.

*var.  $\alpha$ .* *Stellaria Minor et Repens.*

In ditches occasionally. In the pond, Carmyle.

*var.  $\gamma$ .* *Callitricha Autumnalis. Light.*

In ditches with the other, common.

## CLASS II.

### **D I A N D R I A.**

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#### **I. MONOGYNIA.**

##### **LIGUSTRUM, *Flor. Brit.* 12.**

*vulgare.* L. Privet, Print, or Prim-Print. Shrub. May, June.  
In hedges occasionally, especially about Hamilton.

##### **FRAXINUS, *Flor. Brit.* 12.**

*excelsior.* F. Common Ash. Tree. April, May.  
In woods frequent.

##### **CIRCCEA, *Flor. Brit.* 13.**

*lutetiana.* C. Common Enchanter's Nightshade. Perennial. June, July.  
In shady places and woods, occasionally. In the woods Cambuslang. Plantation between Easterhill and Clyde Iron Works. Stony place on the banks of the Clyde at Bowling Bay.

*alpina.* C. Mountain Enchanter's Nightshade. Perennial. July, August.  
In dry woods, rare. In Hamilton wood, Dr. Hope.  
In Ardencaple wood.

*var. s.* C. Intermedia. *Persoon.* 10.  
In Ardencaple wood with the other.

VERONICA, *Flor. Brit.* 15.

*officinalis.* V. Male or Common Speedwell. Perennial. May, June.  
On hedge banks and in dry woods, frequent. It varies occasionally with white flowers.<sup>a</sup>

*serpyllifolia* V. Smooth Speedwell. Paul's Betony. Perennial. May, June.  
In meadows, pastures, and gardens, common.

*beccabunga.* V. Brooklime. Perennial. July.  
In ditches and rivulets, frequent, sometimes varying with white flowers.

*scutellata.* V. Narrow-leaved Marsh Speedwell. Perennial. July, August.  
In ditches and boggy places, not unfrequent. In the bogs Kenmuir and Possil, about Frankfield and Huggenfield lochs.

*montana.* V. Mountain Speedwell, Mountain Madwort. Perennial. May, June.  
In most woods, rare. In Langside wood, Dr. Brown.  
In the woods, Cartlane Crags.

*chamædrys.* V. Germaner Speedwell, Wild Germaner. Perennial. May, June.  
In woods, under hedges, and in meadows and pastures, very common. It varies with white flowers.

*agrestis.* V. Procumbent Speedwell, Germaner Chickweed. Annual. Flowering during the whole summer.  
In fields, gardens, and road sides, very frequent.

<sup>a</sup> Widenow mentions a variety with double flowers, found on the mountain of Feldberg, near Frankfort on the Main.

*arvensis.* V. Wall Speedwell, Speedwell Chickweed.  
Annual. May, June.

In dry fields, road sides, and on wall tops, not unfrequent.

*hederifolia.* V. Ivy-leaved Speedwell, Small Henbit.  
Annual. Flowering during the summer.  
In fields and gardens occasionally. About Harley's  
Nursery plentifully.<sup>6</sup>

**PINGUICULA, *Flor. Brit.* 26.**

*vulgaris.* P. Common Butterwort, Yorkshire Sanicle.  
Perennial. May, June.  
In bogs and on wet moors, very common.

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♦ I received during last summer, from Mr. Smith, Nurseryman near Ayr, a Veronica, which seems different from any hitherto enumerated as British. I have called it V. *Hirsuta*, and describe it as follows.

Root *perennial*, fibrous. Stems branched, procumbent at the base. Leaves opposite, on short channelled footstalks, ovato lanceolate, acute, oblique, dark green, the under side rugged, the edges ciliated, the upper side as well as the whole plant covered with white jointed hairs. Flowers in a long spike, not crowded, on short footstalks, floral leaves linear, obtuse, not much longer than the footstalks of the flower. Petals pale blue, with a dark line running down the centre of the side petals, which are broader than the two others. The upper leaf of the petal very narrow. Tube white, stamens nearly the length of the style, both longer than the petal. Anthers violet colour. Calyx leaves four, linear, unequal. Capsule compressed, entire, not notched, tipped with the long permanent style. Plant about three inches high. Native of dry healthy places, in the district of Carrick in Ayrshire. It agrees somewhat with V. *Alpina*, but differs in the whole plant being smaller, leaves much narrower in proportion to their length; in the whole plant being hairy, and particularly in the capsule being entire, and not notched. It flowers in June and July.

Veronica *Hirsuta*. Spec. Char. Corymbus terminal. Leaves opposite, oval, entire, acute, set with hairs on the upper side, and edges. Capsule compressed, not notched.

UTRICULARIA, *Flor. Brit.* 28.*vulgaris.*U. Common Bladderwort, or Hooded Mill-  
foil. Perennial. July.In deep stagnant water, and in lochs, rare. In a  
deep hole in the marsh, Possil. Also at Rob-  
royston.<sup>c</sup>*minor.*U. Lesser Hooded Millfoil. Perennial.  
July.

In bogs, rare. In the loch at New Kilpatrick.

LEMNA, *Flor. Brit.* 956.*minor.*L. Lesser Duck-weed. Annual. June,  
July.In ditches, ponds, and on stagnant water, very com-  
mon.

## II. DIGYNIA.

ANTHOXANTHUM, *Flor. Brit.* 31.*odoratum.*A. Sweet-scented Vernal Grass. Perennial.  
May, June.

In meadows and pastures, very common.

<sup>c</sup> In searching for this plant in the beginning of April, I could find no appearance of it in the water; but upon examining the mud at the bottom of the pond, I found a number of little green balls, which, upon examination, proved to be the tops of the last year's plants, which falling off, had lain there during the winter, and when found, were just beginning to take root. By this manner it seems to propagate itself.

## CLASS III.

### **T R I A N D R I A.**

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#### **I. MONOGYNIA.**

##### **VALERIANA, *Flor. Brit.* 37.**

*officinalis.* V. Great Wild Valerian. Perennial. June.  
In marshes and on banks of rivers, frequent. The petals are sometimes white.

*dioica.* V. Small, or Marsh Valerian. Perennial.  
June.  
In moist meadows and marshes, but rare. About Balvie.

*Locusta.* V. Corn Sallad, Lamb's Lettuce. Annual.  
April, May.  
In fields and on hedge banks, frequent. It is often cultivated in the garden as a sallad, in which case it attains nearly double its natural size.

*pyrenaica.* V. Heart-leaved Valerian. *Eng. Bot.* 1591.  
Perennial. June.  
Banks of rivers, not common. Banks of the Calder, at Daldowie, and at Langside, Dr. Brown. Banks of the Clyde above Hamilton.

##### **IRIS, *Flor. Brit.* 41.**

*Pseudacorus* I. Yellow Iris, Water Flower-de Luce. Perennial. June, July.  
In marshes, and on the sides of rivers, very common.

SCHOENUS, *Flor. Brit.* 42.

*rufus.* S. Brown Bog Rush. Perennial. July.  
In marshes, not common. Boggy place on the bank  
of the Clyde at Kilpatrick and Bowling Bay.

*albus.* S. White-Headed Bog Rush. Perennial.  
August.  
In marshes and peat bogs, occasionally.

SCIRPUS, *Flor. Brit.* 48.

*palustris.* S. Marsh-Creeping Club Rush. Perennial.  
June, July.  
In marshes, and on the sides of lochs and rivers,  
very common.

*cæspitosus.* S. Scaly-Stalked Club Rush. Perennial.  
June, July.  
On heaths and moors, frequent.

*pauciflorus.* S. Chocolate-headed Club Rush. Perennial.  
August.  
In wet moors, rare. Moors above Dumbarton.

*acicularis.* S. Least Club Rush. Perennial. August.  
In damp moors, and on the sides of lochs occasion-  
ally Plentifully about Bardowie loch.

*fluitans.* S. Floating Club Rush. Perennial. July,  
August.  
In lochs and stagnant water, rare. In Frankfield  
and Bardowie lochs.

*lacustris.* S. Bull Rush. Perennial. July.  
In ditches, and sides of lochs and rivers, occasion-  
ally. In a ditch on the banks of the Clyde at  
Kilpatrick. In the marsh beyond Possil.

*var. s.**Juncus sive Scirpus Medius.*

In the marsh beyond Possil. The panicle is smaller in this variety, and does not spread so much as in the common species.

*setaceus.*

## S. Least Club Rush. Annual. July, August.

In wet sandy places, common.

*maritimus.*

## S. Salt-marsh Club Rush. Perennial. July, August.

In salt marshes and banks of rivers exposed to the tide. Banks of the Clyde from Dumbarton to Bowling Bay, plentifully.

*sylvaticus.*

## S. Wood Club Rush, or Millet Cyperus grass, Perennial. June, July.

In damp woods, frequent. In the woods Hamilton, Bothwell, and Lanark, abundantly. Woods Kelvinbank and Woodhall.<sup>d</sup>

ERIOPHORUM, *Flor. Brit.* 58.

*vaginatum.* E. Single-headed Cotton-grass, Hare's-tail rush. Perennial. March, April.

In moors and bogs, frequent.

*polystachion* E. Broad-leaved Cotton-grass. Perennial. April, May.

In moors and in bogs, but very rare.

*angustifoli- um.* E. Common Cotton-grass. Perennial. April, May.

On moors and in bogs, very common.

<sup>d</sup> In the woods, Woodhall, is found a pretty variety, stripped in the same manner as the *Phalaris Arundinacea*, so frequently cultivated in gardens.

NARDUS, *Flor. Brit.* 61.

*stricta.* N. Mat-grass. Perennial. June, July.  
On moors and in barren pastures, frequent.

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## II. DIGYNIA.

PHALARIS, *Flor. Brit.* 62.

*canariensis.* P. Manured Canary-grass. Annual. June, August \*.

In fields and on road sides, occasionally. About the sand hills, Tollcross.

*arundinacea* P. Arundo Colorata. *Flor. Brit.* 147. Canary Reed-grass. Perennial. July.

In ditches, marshy places, and on the banks of rivers, extremely common.

PANICUM, *Flor. Brit.* 64.

*sanguinale.* P. Cock's-foot Panick-grass. Annual. July.  
A single plant, found at Dalbeth.

PHLEUM, *Flor. Brit.* 68.

*pratense.* P. Common Cat's-tail-grass, Timothy grass. Perennial. Flowering during the whole summer.  
In meadows and pastures, very common.

*Gramen typhinum minus.*

Occasionally on road sides. Root slightly tuberous, stem below prostrate, short. Spike about two inches long, a variety undoubtedly owing to its situation.

ALOPECURUS, *Flor. Brit.* 72.

*pratensis.* A. Meadow Fox-tail-grass. Perennial. May.  
In meadows and pastures, very common.

*agrestis.* A. Slender Fox-tail-grass. Annual. July.  
In corn fields, but not common.

*geniculatus.* A. Floating Fox-tail-grass. Perennial. July.  
In watery places, and on the sides of ditches and ponds, common.

*var. v.* Radice bulbosa.  
In dry places occasionally. Whole plant smaller, root bulbous.

MILIUM, *Flor. Brit.* 75.

*effusum.* M. Millet-grass. Perennial. June, July.  
In moist woods occasionally. In wood near the Aqueduct Bridge. Woods Hamilton and Lanark.<sup>c</sup>

AGROSTIS, *Flor. Brit.* 77.

*canina.* A. Brown Bent-grass. Perennial. July.  
In moist meadows and pastures, occasionally.

*vulgaris.* A. Fine Bent-grass. Perennial. July.  
In meadows and pastures, and on banks, common.

*var. s.* Agrostis pumila, *Light.*

On dry gravel walks about Dougalston. Plant about two or three inches high, stalks smooth, several growing from the same root.

<sup>c</sup> This plant is mentioned in *Flor. Brit.* as being annual, but when cultivated in the garden it appears to be perennial.

*stolonifera.* A. Creeping Bent-grass, Fiorin-grass. Perennial. July, August.

In meadows, pastures, and on road sides, and in sandy and gravelly places where water has lain, plentifully.

*alba.* A. Marsh Bent-grass. Perennial. July. In ditches and marshes occasionally. In a ditch, Carmyle wood.

**AIR A, *Flor. Brit.* 83.**

*aquatica.* A. Water Hair-grass. Perennial. May, June.

In watery places, and margins of ponds and rivers, rare. Near Dumbarton, Dr. Brown. In a wet field a little to the east of Gilbertfield Castle, abundantly.

*aspiculosa.* A. Turfy Hair-grass. Perennial. June, July.

In moist shady places, borders of fields and under hedges, very common.

*flexuosa.* A. Waved Mountain Hair-grass. Perennial. July.

On dry heathy hills, occasionally. On Cathkin hills.

*præcox.* A. Early Hair-grass. Annual. May, June. On dry gravelly places, and on wall tops, frequent.

*caryophyllea* A. Silver Hair-grass. Annual. July.

On dry sandy fields, and mountainous pastures, occasionally. In the pastures about Cathkin hills, frequent.

**HOLCUS, *Flor. Brit.* 83.**

*lanatus.* H. Meadow Soft-grass. Perennial. June, July.

In meadows and pastures abundantly.

*mollis.* H. Creeping Soft-grass. Perennial. July, August.  
In shady places, and the roots of hedges, occasionally.

*avenaceus.* H. Oat-like Soft-grass. Perennial. June, July.  
In bushy places, under hedges and on road sides, frequent.

**MELICA, *Flor. Brit.* 91.**

*uniflora.* M. Wood Melic-grass. Perennial. May, June.  
In woods occasionally. In the woods Hamilton, Blantyre, and Bothwell.

*caerulea.* M. Purple Melic-grass. Perennial. August.  
In wet pastures, and on moors, frequent.

**POA, *Flor. Brit.* 95.**

*fluitans.* P. Flote Meadow-grass. Perennial. Flowering during the whole summer.  
In ditches, pools, and sides of rivers, very common.  
It is sometimes found, though very rarely, with viviparous flowers, as in *Aira cespitosa*.

*compressa.* P. Flat-stalked Meadow-grass. Perennial. July, August.  
On walls and in dry pastures, very rare.

*trivialis.* P. Roughish Meadow-grass. Perennial. Flowering during summer.  
In meadows and pastures, very common.

*pratensis.* P. Smooth-stalked Meadow-grass. Perennial. May, June.  
In the same places as the last, and equally common.

*annua.* P. Annual Meadow-grass. Annual. Flowering during almost the whole year. Every where extremely common.

*nemoralis.* P. Wood Meadow-grass. Perennial. June. In woods and shady places, frequent.

*decumbens.* P. Decumbent Meadow-grass. Perennial. July. In moist pastures, and bogs, occasionally. In the marsh beyond Possil, plentifully.

BRIZA. *Flor. Brit.* 108.

*media.* B. Common Quaking-grass. Perennial. May, June. In wettish pastures occasionally. About the ponds Douglaston. Abundantly at the entrance to the falls of the Clyde. About Airdrie.

DACTYLIS, *Flor. Brit.* 110.

*glomerata.* D. Rough Cock's-foot-grass. Perennial. June—August. In meadows and woods, common.

CYNOSURUS, *Flor. Brit.* 111.

*cristatus.* C. Crested Dog's-tail-grass. Perennial. July. In meadows and pastures, common.

FESTUCA, *Flor. Brit.* 113.

*ovina.* F. Sheep's Fescue-grass. Perennial. June. In dry sandy pastures, and on wall tops, frequent.

*vivipara.* F. Viviparous Fescue-grass. Perennial. July. On the top of a wall near Helensburgh, plentifully.

*duriuscula.* F. Hard Fescue-grass. Perennial. June.  
In dry meadows and pastures, and on walls, frequent.

*bromoides.* F. Barren Fescue-grass. Annual. June.  
On walls and in dry sandy places, but rare.

*myurus.* F. Wall Fescue-grass. Annual. June.  
On walls and in barren places, but not common.

*gigantea.* F. Tall Fescue-grass. Perennial. July, Au-  
gust.  
In moist woods and in hedges, frequent.

*calamaria.* F. Reed-like Fescue-grass. Perennial. June,  
July.  
On Kenmuir bank, Dr. Brown.

*loliacea.* F. Spiked Fescue-grass. Perennial. June,  
July.  
In moist pastures and in hedges, occasionally, very  
much resembling *Lolium perenne*.

*pratensis.* F. Meadow Fescue-grass. Perennial. June,  
July.  
In moist meadows and pastures, common.

*elatior.* F. Tall Fescue-grass. Perennial. June,  
July.  
In moist meadows and on the banks of rivers, occa-  
sionally.

BROMUS, *Flor. Brit.* 125.

*mollis.* B. Soft Brome-grass. Biennial. June.  
In meadows, pastures, and by road sides, very com-  
mon.

*asper.* B. Hairy Wood Brome-grass. Perennial.  
July.  
In moist woods, common.

*sterilis.* B. Barren Brome-grass. Annual. June, July.  
In hedges, and at the bottom of walls, frequent.

*sylvaticus.* B. Slender Wood Brome-grass. Perennial. July.  
In woods, frequent.

AVENA, *Flor. Brit.* 139.

*pubescens.* A. Downy Oat-grass. Perennial. June.  
In pastures, rare.

ARUNDO, *Flor. Brit.* 144.

*Phragmites.* A. Common Reed. Perennial. July.  
In ditches, marshes, and on the banks of rivers, frequent. On the banks of the Clyde from Bowling Bay to Dumbarton, abundantly. Ponds, Douglaston. Marshes about Hamilton.

LOLIUM, *Flor. Brit.* 148.

*perenne.* L. Perennial Darnel, Ray-grass. Perennial. June.  
In meadows, pastures, and on road sides, very common.

*var. s.* **Lolium tenui.**  
In dry pastures occasionally. Leaves and spike slender. Spike consisting of about three flowers.

*var. 2.* **Spicis brevioribus compressis.**  
Found occasionally with the others. Spike nearly as broad as long, flowers crowded together, flat.

*temulentum.* L. Bearded Darnel. Annual. July.  
In corn fields occasionally.<sup>c</sup>

<sup>c</sup> The seeds of this plant are said to have an intoxicating and even poisonous quality, it is called in France L'Ivraie enivrante.

TRITICUM, *Flor. Brit.* 157.

*repens.* T. Creeping Wheat-grass, Couch-grass. Perennial. Flowering during the whole summer. In waste and cultivated fields, but too common.

*caninum.* T. Fibrous, or Bearded Wheat-grass. Perennial. July. In woods and about hedges, occasionally.

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## III. TRIGYNIA.

MONTIA, *Flor. Brit.* 161.

*fontana.* M. Water Chickweed, Blinks. Annual. April, June. In wet places, and in small springs, frequent.

## CLASS IV.

### *TETRANDRIA.*

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#### I. MONOGYNIA.

##### *DIPSACUS, Flor. Brit. 168.*

*fullonum.* D. Manured or Fuller's Teasel. Biennial.  
July.  
In fields, rare. In the fields near Cathcart and Lang-side.

##### *SCABIOSA, Flor. Brit. 170.*

*succisa.* S. Devil's-bit Scabious. August—October.  
In dry fields and pastures, frequent.

*arvensis.* S. Field Scabious. Perennial. July.  
In meadows and pastures, rare. In a dry sandy field  
near Tollcross.

##### *SHERARDIA, Flor. Brit. 171.*

*ervensis.* S. Blue Sherardia, or Little Field Madder.  
Annual. Flowering during the whole summer.  
On dry gravelly soils occasionally. Near Cambuslang plentifully. On the bank, at the foot of Cathcart Castle. About Balyie.

ASPERULA, *Flor. Brit.* 172.

*odorata.* A. Sweet Woodruff, or Woodroof. Perennial. May, June.  
In woods and thickets, very frequent.

GALIUM, *Flor. Brit.* 173.

*eruciatum.* G. Cross-wort. Mug-weed. Perennial. May.  
In hedges and bushy places, very common.

*pallustre.* G. White Water Bed-straw. Perennial.  
July.  
In ditches and banks of ponds, frequent.

*saxatile.* G. Smooth Heath Bed-straw. Perennial.  
July, August.  
On dry banks and heathy places, very common.

*verum.* G. Yellow Bed-straw, Cheese-rennet. Perennial. July, August.  
On the borders of fields and in bushy places, common.

*Mollugo.* G. Great Hedge Bed-straw. Perennial. July, August.  
In hedges and thickets, not common. On the rocks at Cartlane Crags. *Light.* north side. Banks of the Clyde at Carmyle.

*boreale.* G. Cross-leaved Bed-straw. Perennial. July.  
On banks of rivers, frequent. Banks of the Clyde in many places, as Bowling Bay, Dalbeth, Carmyle, &c.

*Aparine.* G. Goose-grass, or Cleavers. Annual. May—August.  
In hedges, extremely common.

PLANTAGO, *Flor. Brit.* 182.

*major.* P. Greater Plantain. Perennial. Flowering during the summer.  
In meadows, pastures, and on road sides, common.

*var. 2.* P. *rosea spicata.*  
Rarely, in meadows. Spike leafy, composed of small leaves, disposed in a rose like or pyramidal form.<sup>f</sup>

*media.* P. Hoary Plantain. Perennial. Flowering during the summer.  
In meadows and pastures, but not frequent.

*lanceolata.* P. Ribwort Plantain. Perennial. June, July.  
In meadows and pastures, common.<sup>g</sup>

*maritima.* P. Sea Plantain. Perennial. August.  
On dry banks near Helensburgh. By no means confined to the sea coast. On the road side near to the avenue into Whitemoss. Ure.

<sup>f</sup> The spike is not always abortive, as is mentioned in the *Flor. Brit.*; a plant in the garden Dalbeth, having produced seed, from which plants are now growing; but these not having as yet flowered, it is not known whether the variety will be continued or not.

<sup>g</sup> A variety of this plant frequently occurs with proliferous spikes, having from two, to eight heads growing out of the main one. P. *Media* also assumes the same appearance. The P. *Lanceolata* is occasionally found with the spike rosaceous as in P. *Major*, var. 2.

*Coronopus*. P. Bucks-horn Plantain, Star of the Earth. Perennial. Flowering during summer. On rocks by the sea side, and on gravelly places, but not common.<sup>h</sup>

*minimus*. C. CENTUNCULUS, *Flor. Brit.* 185. C. Bastard Pimpernel, Small Chaff-weed. Annual. June, July. In bogs and marshy places, rare. In a marsh near Langside, Dr. Brown. In Kenmuir bog.

*elpinum*. E. EPEMEDIUM, *Flor. Brit.* 187. E. Barren-wort. Perennial. May. About the ruins of the old Castle of Mugdock, abundantly.

*officinalis*. P. PARIETARIA, *Flor. Brit.* 189. P. Pellitory of the wall. Perennial. June—September. On old walls occasionally. On an old wall on the road side between Rutherglen and Farme Ure. On the ruins of Bothwell Castle, abundantly.

*vulgaris*. A. ALCHEMILLA, *Flor. Brit.* 189. A. Common Ladies' Mantle. Perennial. June, July. In meadows and pastures, common.

*var s.* A. minor. On hills, as on Cathkin. Plant rather smaller, leaves more pubescent and silky.

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<sup>h</sup> Though generally mentioned as an annual, it is strictly perennial.

*ervensis.* A. Field Ladies' Mantle, Parsley Piert. Annual. Flowering during the summer. In gardens and sandy fields, very common.

### III. TETRAGYNIA.

#### ILEX, *Flor. Brit.* 192.

*Aquifolium.* I. Holly Tree. Tree. May.

In woods and hedges, frequent. In the woods about Lanark, very abundant.

#### POTAMOGETON, *Flor. Brit.* 193.

*natans.* P. Broad-leaved Pond-weed. Perennial. July.

In rivers and lochs, very common. In Frankfield and Huggenfield lochs, and in Clyde, plentifully.

*perfoliatum.* P. Perfoliate Pond-weed. Perennial. July, August.

In the same places as the last, and equally common.

*densum.* P. Close-leaved Pond-weed. Perennial. June.

In ditches and ponds, but not common. In Bar-dowie loch.

*lucens.* P. Shining Pond-weed. Perennial. June, July.

In rivers and lochs common. In the Clyde frequently.

*var. 8.* P. *folio angusto, pellucido, ferè gramineo.*  
In Bardowie loch. Leaves long, lanceolate, very narrow and transparent.

*crispum.* P. Curled Pond-weed. Perennial. June, July.  
In ponds and rivers, occasionally. In Clyde, and in the lochs Douralston.

*compressum.* P. Flat-stalked Pond-weed.  
In the same places as the others. In Frankfield loch, and loch near New Kilpatrick, plentifully.

*gramineum.* P. Grassy Pond-weed. Perennial. July.  
In ditches and rivers, rare. In the Clyde, Ure.

*pusillum.* P. Small Pond-weed. Perennial. July.  
In ditches and stagnant water, common.

*heterophyl-lum.* P. Various leaved Pond-weed. Perennial.  
June, July.  
In Bardowie loch, east side, plentifully.

*fluitans.* P. Long-leaved Floating Pond-weed. Perennial. August, September.  
In the Clyde at Dalbeth.

SAGINA, *Flor. Brit.* 199.

*procumbens.* S. Procumbent Pearl-wort. Perennial.  
May—August.  
In sandy places, neglected walks, and on walls, very common.<sup>1</sup>

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<sup>1</sup> It is sometimes found with double flowers.

28 TETRANDRIA—TETRAGYNIA.

*apetala.* S. Annual Small-flowered Pearl-wort. Annual. May, June.  
In the same places as the other, common.

RADIOLA, *Flor. Brit.* 201.

*millegrana.* R. All-seed. Annual. July, August.  
In wet sandy places, but not common. About Langside, Dr. Brown. On the road side between Dumbarton and Helensburgh, plentifully.

## CLASS V.

### PENTANDRIA.

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#### I. MONOGYNIA.

##### MYOSOTIS, *Flor. Brit.* 212.

*scorpioides.* M. Mouse-ear Scorpion-grass. Annual.  
Flowering during the summer.  
In dry pastures and in gardens, common.

*var. a.* *Myosotis scorpioides arvensis.*  
In gardens, frequent. Whole plant hairy, flowers  
small, blue.

*var. b.* M. *Scorpioides.*  
On wall tops and in dry pastures, frequent. Flowers  
minute, yellow.

*var. c.* M. *Scorpioides, latifolia hirsuta.*  
In plantations occasionally. Plant large, a good deal  
branched, spreading, flowers large, blue.

*palustris.* M. *var. 2. Flor. Brit.* Water Scorpion-grass.  
Perennial. July, August.  
In ditches and sides of lochs, common.<sup>1</sup>

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<sup>1</sup> Martyn's description of this pretty plant is as follows:  
" Root truly repent, whole plant of a paler green than  
M. *scorpioides*," (approaching to glaucous.) " Stem

LITHOSPERMUM, *Flor. Brit.* 213.

*officinale.* L. Common Gromwell, Gray-mill, Grey Millet. Perennial. May, June.  
In waste uncultivated places, and on rubbish. On the old walls of Mugdock Castle.

*arvense.* L. Corn Gromwell. Annual. May, June.  
In corn fields occasionally. In the fields about Bogle's hole, frequent.

ANCHUSA, *Flor. Brit.* 214.

*sempervirens* A. Evergreen Alkanet. Perennial. May, June.  
In uncultivated places and sides of rivers, occasionally. On the banks of the Clyde above Hamilton. Near Chatelherault. At Castlemilk.

PULMONARIA, *Flor. Brit.* 217.

*officinalis.* P. Common Lungwort. Perennial. May.\*  
On the banks of the Clyde about Dalbeth and Easterhill, probably originally an outcast from the garden.

somewhat hairy, but scarcely visibly so, except towards the top. The leaves are all lanceolate, none of them so broad at the base as the *arvensis*, and quite smooth. The Corolla is four times as long as the *arvensis*, of an elegant pale blue, like smelt, with a large deep yellow eye."

This plant, when transplanted into the garden, does not retain the above character altogether. The whole plant becomes smaller in all its parts; the leaves become hairy, especially towards the edges and on the upper side; but the creeping perennial root, and funnel shaped calyx, clothed with straight rigid shining close pressed hairs, and having its teeth broad, triangular and shorter than the tube, as mentioned in Eng. Bot. pl. 1973, seem completely permanent, and sufficiently distinguish it from *M. scorpioides*.

There is still a perennial variety that does not seem to have been noticed by authors. The whole plant is small, and remarkably hairy, in other respects it agrees with *M. palustris*.

SYMPHYTUM. *Flor. Brit.* 218.

*officinale.* S. Common Comfrey. Perennial. May, June.

Banks of rivers, frequent. Banks of the Clyde, but not very common.

*var. β.* *Sympitum patens.* *Sibth.*

Very common on the banks of the Cart about Cathcart and Langside. Plant larger and rougher than *S. officinale*. Calyx expanded. Petals very much inflated, red.

*tuberosum.* S. Tuberous-rooted Comfrey. Perennial. July.

Banks of rivers and in groves, very common. Banks of the Clyde at Clyde Works, Daldowie, Bothwell, and Hamilton. Banks of the Calder, abundantly.

BORAGO, *Flor. Brit.* 219.

*officinale.* B. Common Borage. Biennial. June, July.\*

Amongst rubbish and on road sides, but generally near gardens. It varies with white flowers.

LYCOPSIS, *Flor. Brit.* 220.

*arvensis.* L. Small Bugloss. Annual. June, July.

In corn fields, frequent.

ECHIUM, *Flor. Brit.* 221.

*vulgare.* E. Common Blue Viper's Bugloss. Biennial. June, July.\*

On rubbish occasionally, but generally near houses or gardens.

\* This species and the *S. officinale* var. *β.* are by far the most frequent, in this part of the country.

PRIMULA, *Flor. Brit.* 222.

*vulgaris.* P. Common Primrose. Perennial. April, May.  
In woods and on dry banks, common.

*veris.* P. Common Cowslip or Paigle. Perennial. April, May.\*  
About Bothwell and Wodhall, but introduced.<sup>1</sup>

MENYANTHES, *Flor. Brit.* 225.

*trifoliata.* M. Buckbean-Marsh Trefoil. Perennial. June, July.  
In marshes and bogs, common.

LYSIMACHIA, *Flor. Brit.* 227.

*vulgaris.* L. Yellow Loosestrife. Perennial. July.  
Banks of rivers and shady places, occasionally.  
Banks of the Clyde at Bowling Bay. Kenmuir banks.

*thyrsiflora.* L. Tufted Loosestrife. Perennial. July.  
In watery places, rare. On the edge of a lake to the north of Glasgow.—*Flor. Brit.* <sup>m</sup>

<sup>1</sup> The Cowslip is not to be found indigenous in the neighbourhood of Glasgow. From recent experiments made at Dalbeth, there seems no reason to doubt, but that the *Primula elatior*, is a hybrid between the *vulgaris* and *veris*. From seeds of the *P. veris* which had been growing intermixed with the *vulgaris*, were produced plants answering entirely the description of *P. elatior* in the *Flor. Brit.* The stalk many flowered. Corolla of some plants flat, of others inclining to concave. Size and colour intermediate between the *vulgaris* and *veris*. Spots on the Corolla not distinct. Leaves wrinkled and dentated.

<sup>m</sup> I have very often sought for this plant on the edges of all the lakes near Glasgow, without success.

*memorum.* L. Wood Loosestrife, Yellow Pimpernel. Perennial. May—September. In moist woods and groves, frequent.

*Nummularia.* L. Creeping Loosestrife Money-wort, or Herb Twopence. Perennial. June, July. In moist shady places and wet pastures, frequent. Banks of the Clyde at Kenmuir and Bothwell.

**ANAGALLIS, *Flor. Brit.* 229.**

*arvensis.* A. Scarlet Pimpernel. Annual. June, July. In corn fields and gardens, common.

*æerulea.* A. *Anagallis arvensis* var *v.* *Flor. Brit.* Blue Pimpernel. Annual. July. In corn fields with the other, but rare. Said to grow in the fields about Lanark. <sup>"</sup>

*tenella.* A. Bog Pimpernel. Perennial. July, August. In wet bogs, rare. Banks of the Clyde at Ardoch Cottage.

**CONVOLVULUS, *Flor. Brit.* 232.**

*arvensis.* C. Small Bindweed. Perennial. June, July. In dry fields, but not common. Near Cathcart, Dr. Brown.

*sepium.* C. Great Bindweed. Perennial. July, August. In cultivated fields and in hedges, frequent. In the fields at Hamilton Farm and Bogles hole, plentifully.

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<sup>"</sup> In Eng. Bot. this is made a distinct species, differing from the *A. arvensis* chiefly in "the stem being erect, leaves narrower, and the Corolla being smaller and more deeply crenate."

CAMPANULA, *Flor. Brit.* 234.

*rotundifolia*. C. Round-leaved Bell-flower. Perennial. August—September.  
In heathy places and on the borders of fields, common.

*latifolia*. C. Giant Bell-flower. Perennial. August.  
In moist shady places and banks of rivers, not unfrequent. Banks of the Clyde at Daldowie and Kenmuir. Woods Crossbasket and Cambuslang.

*Trachelium*. C. Nettle-leaved Bell-flower. Perennial. July.  
On the old walls of Mugdock Castle.

JASIONE, *Flor. Brit.* 241.

*montana*. J. Sheep's-bit, Sheep's Scabious. Annual. June, July.  
In dry sandy pastures frequent.

LOBELIA, *Flor. Brit.* 242.

*Dortmanna*. L. Water Lobelia. Perennial. July.  
In lochs, rare. In Bardowie and Mugdock lochs, plentifully.

IMPATIENS, *Flor. Brit.* 243.

*Noli me tangere*. I. Yellow Balsam, Touch me not. Annual. July, August.\*  
In moist groves. Abundantly in a wet glen at Castle-milk, perhaps escaped from garden.

VIOLA, *Flor. Brit.* 244.

*odorata*. V. Sweet Violet. Perennial. March, April.  
On dry banks and at the foot of hedges, occasionally.

*palustris.* V. Marsh Violet, Perennial. April.  
In marshy places, frequent.

*canina.* V. Dog's Violet. Perennial. April—June.  
On dry banks and at hedge bottoms, very common.

*tricolor.* V. Pansy Violet, Heart's-ease. Annual.  
May—September.  
In dry fields, common.

*lutea.* V. Yellow Mountain Pansy. Perennial.  
May—September.  
On mountainous pastures, not uncommon. On  
Cathkin hills, plentifully.

VERBASCUM, *Flor. Brit.* 249.

*Thapsus.* V. Great Mullein, High Taper. Biennial.  
July, August.  
On waste ground, occasionally. On old walls, Calderwood, Ure. Banks of the Clyde below Renfrew. About Woodhall.

*Lychnites.* V. White Mullein. Biennial. July, August.  
On road sides, rare. In a lane leading from the Glasswork to the Clyde, Dumbarton.

HYOSCYAMUS, *Flor. Brit.* 254.

*niger.* H. Common Henbane. Biennial. July.  
On waste ground, rare. Near the village of Cathcart, Dr. Brown. On the rocks Dumbarton Castle.

ATROPA, *Flor. Brit.*

*Belladonna.* A. Dwale, or Deadly Nightshade. Perennial. June.  
In waste ground, rare. On the banks of the Cart near Cathcart Mill, Dr. Brown.

SOLANUM, *Flor. Brit.* 256.

*Dulcamara.* S. Woody Nightshade, Bitter-sweet. Perennial. June, July.  
In hedges, bushy places, and banks of rivers, frequent. It varies occasionally with white flowers.

CHIRONIA, *Flor. Brit.* 257.

*Centaurium.* C. Common Centaury. Annual. July, August.  
In dry pastures, frequent, varying with white flowers.

SAMOLUS, *Flor. Brit.* 259.

*Valerandi.* S. Brookweed Water-Pimpernel. Perennial. July.  
In marshes, occasionally. On the banks of the Clyde, frequent. About Bowling Bay, plentifully.

LONICERA, *Flor. Brit.* 260.

*Periclymenum.* L. Common Honeysuckle, or Woodbine. Shrub. June, July.  
In woods and hedges, frequent. °

RIBES, *Flor. Brit.* 263.

*Grossularia.* R. Rough Gooseberry. Shrub. April.\*  
In hedges and woods. In the woods Hamilton, apparently indigenous.

HEDERA, *Flor. Brit.* 267.

*Helix.* H. Common Ivy. Shrub. October.  
In woods, and on old walls and trees, common.

° The leaves are frequently notched, somewhat like those of the oak; in a small wood near Calderbridge. This variety is frequent.

GLAUX. *Flor. Brit.* 268.

*maritima.* G. Black Salt-wort. Perennial. June, July.  
In salt marshes, frequent. Banks of the Clyde from Dumbarton to Bowling Bay, plentifully.

VINCA. *Flor. Brit.* 269.

*minor.* V. Lesser Periwinkle. Perennial. May.\*  
In the woods Bothwell, introduced.

*major.* V. Greater Periwinkle. Perennial. May.\*  
In the same place with the minor, abundantly, not indigenous.

## II. DIGYNIA.

CHENOPODIUM. *Flor. Brit.* 272.

*Bonus Hen-ricus.* C. Perennial Goosefoot. Mercury Goosefoot. Perennial. May—August.  
In uncultivated places and road sides, occasionally. In Bothwell Church yard. In the lanes near the village of Catheart. About Mugdock Castle, plentifully.

*rubrum.* C. Red Goosefoot. Annual. August.  
In waste ground and amongst rubbish, frequent.

*murale.* C. Nettle-leaved Goosefoot. Annual. August, September.  
At the foot of walls and about villages, occasionally.

*album.* C. White Goosefoot. Annual. July, August.

On dunghills, waste places, and in gardens, common.

*maritimum.* C. Sea Goosefoot. Sea Blite. Annual. July, August.

On the sea shore, frequent. Banks of the Clyde at Helensburgh and Ardencaple, plentifully.

### ULMUS. *Flor. Brit.* 281.

*campestris.* U. Common Elm. Tree. April.

In woods and hedges, common.

### CUSCUTA. *Flor. Brit.* 282.

*Epithymum.* C. Lesser Dodder. Perennial. August.

On heath and Thyme, rare. On stalks of flax, about Hamilton and Woodhall.

### GENTIANA. *Flor. Brit.* 284.

*campestris.* G. Field Gentian. Annual. September.

In pastures, occasionally. About Kenmuir. Pastures near Airdrie, frequent. <sup>p</sup>

### HYDROCOTYLE. *Flor. Brit.* 290.

*vulgaris.* H. Marsh Pennywort. White-rot. Perennial. May, June.

In marshes and bogs, very common.

<sup>p</sup> The Corolla is sometimes five-cleft as in *G. Amarella*, from which it is principally distinguished by the two outer segments of the Calyx being much larger than the inner; in the amarella they are equal.

*inundata.* H. Floating White-rot. Perennial. May—July.

In lochs and ditches, not common. In Frankfield and Huggenfield lochs, abundantly.

**SANICULA. *Flor. Brit.* 291.**

*europaea.* S. Wood Sanicle, Perennial. May.

In woods, frequent. In the woods Hamilton and Kenmuir.

**CAUCALIS. *Flor. Brit.* 296.**

*Anthriscus.* C. Upright Hedge Parsley. Annual. July.

In hedges and on the borders of fields, common.

**DAUCUS. *Flor. Brit.* 300.**

*Carota.* D. Wild Carrot, Biennial. June, July.

In pastures and on rubbish, common. About Hamilton, very common. Banks of the Clyde about Clyde Iron Works.

**BUNIUM. *Flor. Brit.* 301.**

*flexuosum.* B. Common Earth-nut. Kipper or Pig-nut. Perennial. May, June.

In dry pastures, common.

**CONIUM. *Flor. Brit.* 302.**

*maculatum.* C. Common Hemlock. Biennial. June, July.

In hedges and uncultivated ground, frequent. In a field near Bridewell, abundantly.

**SELINUM. *Flor. Brit.* 303.**

*palustre.* S. Marsh Milky Parsley. Perennial. July.

In marshes, rare. In a ditch in Ardencaple wood.

HERACLEUM. *Flor. Brit.* 306.

*Sphondyli-* **H.** Common Cow Parsnip. Biennial? or  
*um.* Perennial. July.  
In hedges and borders of fields, common.

MEUM. *Flor. Brit.* 308.

*athamanti-* **M.** Spignel. Meu. Bald-money. Perennial.  
*cum.* May.  
In dry pastures, not common. At Kittochside and  
Crosshill in Kilbride. Ure. On Cathkin hills.  
About Balvie.

ANGELICA. *Flor. Brit.* 311.

*sylvestris.* **A.** Wild Angelica. Perennial. July.  
Banks of lochs and rivers, frequent. About the  
pond Dalbeth, plentifully.

SIUM. *Flor. Brit.* 312.

*verticilla-* **S.** Whorled Water Parsnip. Perennial. Ju-  
*tum.* ly, August.  
In wettish pastures and in salt marshes, not common.  
Banks of the Clyde from Bowling Bay to Helens-  
burgh, plentifully.<sup>q</sup>

CENANTHE. *Flor. Brit.* 317.

*fistulosa.* **CE.** Common Water Dropwort. Perennial.  
July, August.  
In marshes and ditches, not common. Banks of the  
Clyde at Bowling Bay.

*pimpinel-* **CE.** Parsley Water Dropwort. Perennial.  
*loides.* July, August.  
In salt marshes, rare. On the banks of the Clyde  
at Bowling Bay with the *fistulosa*. Below Dum-  
barton.

<sup>q</sup> The *S. verticillatum* is not confined to salt marshes and  
meadows near the sea, it is very abundant in the neigh-  
bourhood of Luss, ten miles from the coast.

*erocata.* **CE.** Hemlock Water Dropwort. Perennial. July.

Banks of rivers and in ditches, frequent. Banks of the Clyde at Bowling Bay and Dumbarton. Ditches in Ardencaple wood, plentifully.

**CICUTA. *Flor. Brit.* 322.**

*viresa.* **C.** Water Hemlock, Water Cowbane. Perennial. July, August.

Edges of lochs, frequent. About Mugdock, Bardowie, and Dougalston lochs; and loch near New Kilpatrick, abundantly.

**ÆTHUSA. *Flor. Brit.* 323.**

*Cynapium.* **Æ.** Fool's Parsley, Lesser Hemlock. Annual. July, August.

In fields and gardens, frequent.

**SCANDIX. *Flor. Brit.* 323.**

*odorata.* **S.** Sweet Cicely. Great Chervil. Perennial. May.

In dry pastures, frequent. About Hamilton, common. Abundantly about Cathcart Castle. About Milngavie and Balvie, common.

*Pecten-Ve-* **S.** Needle Chervil. Venus's Comb. Shepherd's needle. Annual. June, July.

In cultivated fields, common.

*Cerefolium.* **S.** Garden Chervil, *Eng. Bot.* 1268. Annual. July.\*

In hedges and about gardens, frequent.

\* Lightfoot says this plant is very rare in Scotland, but it is found in this district of country in very great plenty.

CHÆROPHYLLUM, *Flor. Brit.* 326.

*sylvestre.* C. Smooth Cow-parsley. Wild Chervil. Perennial. April, May.  
In hedges, common.

*temulentum.* C. Rough Cow-parsley. Rough Chervil. Biennial. June, July.  
In hedges with the other, common.

IMPERATORIA. *Flor. Brit.* 327.

*Ostruthium.* I. Masterwort. Perennial. June.

On the banks of the Clyde in several places, particularly about Ardencaple. Lightfoot. On an old wall at Langland house, and in waste ground near Jackton. Ure.

CARUM. *Flor. Brit.* 330.

*Carui.* C. Common Caraway. Biennial. June.  
In meadows and pastures, occasionally. In the haugh Dalbeth.

PIMPINELLA. *Flor. Brit.* 331.

*saxifraga.* P. Common Burnet-Saxifrage. Perennial. July, August.  
In dry pastures, occasionally.

ÆGOPODIUM. *Flor. Brit.* 333.

*Podograria.* Æ. Gout-weed. Perennial. May, June.  
In meadows and pastures, and in plantations, extremely common. A very troublesome weed.

## III. TRIGYNIA.

VIBURNUM. *Flor. Brit.* 334.

*Opulus.* V. Common Guelder Rose. Water Elder. Tree. June.

In woods, occasionally. In Polleskin-glen, and Gillburnsynke. Ure. In the woods between Hamilton and Lanark, frequent.

SAMBUCUS. *Flor. Brit.* 335.

*Ebulus.* S. Dwarf Elder. Danewort. Perennial. July.

In hedges and in uncultivated places. On the road side between Kittochside and Carmunnock. Ure. In a hedge near the Clyde Iron Works, plentifully. Lane between Milngavie and Dougalston.

*nigra.* S. Common Elder. Tree. June.  
In woods and hedges, frequent.

## IV. TETRAGYNIA.

PARNASSIA. *Flor. Brit.* 339.

*palustris.* P. Grass of Parnassus. Perennial. August—October.

In wet pastures and marshes, occasionally. About Hamilton and Balvie, plentifully.

## V. PENTAGYNYIA.

STATICE. *Flor. Brit.* 340.

*Armeria.* S. Thrift. Sea Gilliflower. Perennial. July, August.

In marshes, especially on the coast, and in fissures of rocks, common. Banks of the Clyde from Bowling Bay to Ardencaple.

LINUM. *Flor. Brit.* 342.

*usitatissimum.* L. Common Flax. Annual. July. Amongst corn, frequent.

*catharticum.* L. Purging Flax. Mill-mountain. Annual. June—August. In dry pastures, frequent.

## VI. HEXAGYNYIA.

DROSERA. *Flor. Brit.* 346.

*rotundifolia.* D. Round leaved Sun-dew. Perennial. July, August. In marshes, frequent.

*longifolia.* D. Long-leaved Sun-dew. Perennial. July, August.

In the same places as the other, but much rarer. In a marsh between Glasgow and Paisley. Marshy place at Ardoch Cottage.

## CLASS VI.

### HEXANDRIA.

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#### I. MONOGYNIA.

##### GALANTHUS. *Flor. Brit.* 352.

*nivalis.* G. Snowdrop. Perennial. February.\*  
Plentifully on the banks about Castlemilk, introduced.

##### ALLIUM. *Flor. Brit.* 355.

*vineale.* A. Crow Garlick. Perennial. July.  
In Daldowie woods, Dr. Brown.

*ursinum.* A. Broad-leaved Garlick. Ramsons. Perennial. May, June.  
In moist meadows and woods, common.

##### TULIPA. *Flor. Brit.* 361.

*sylvestris.* T. Wild Tulip. Perennial. April.  
In a field near Hamilton. Murray.

SCILLA. *Flor. Brit.* 364.

*nutans.* S. Hare-bell Squill. Wild Hyacinth. Perennial. May.  
In woods, hedge bottoms, and pastures, very common.

NARTHECIUM. *Flor. Brit.* 368.

*ossifragum.* N. Lancashire Asphodel. Perennial. July, August.  
In marshy places, frequent. Banks of the Clyde between Dumbarton and Helensburgh, plentifully.  
In Kenmuir bog.

CONVALLARIA. *Flor. Brit.* 370.

*majalis.* C. Lilly of the Valley. Perennial. May, June.  
In woods, rare. In the woods at the falls of the Clyde, plentifully.

*multiflora.* C. Common Solomon's Seal. Perennial. May, June.  
On the ruins of Mugdock Castle.\*

JUNCUS. *Flor. Brit.* 374.

*glaucus.* J. Hard Rush. Perennial. July.  
In wet pastures and on road sides, occasionally.

*conglomerata-* J. Common Rush. Perennial. July.  
*tus.* In meadows, pastures, and on road sides, very common.

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\* A singular variety is found in Bothwell woods, having many long green bractæ to each flower. Wille now mentions them as sometimes longer than the petals, "Bractæ sunt saepius floribus longiores et binæ," but I do not know of any author having remarked this variety, with many bractæ.

*effusus.* J. Soft Rush. Perennial. July.  
In moist meadows and pastures, frequent.

*squarrosus.* J. Moss Rush. Goose Corn. Perennial.  
June, July.  
On boggy spots, and on moors, common.

*acutiflorus.* J. *Davies in Lin. Trans.* articulatus. *Flor. Brit.*  
Sharp flowered Jointed Rush. Perennial.  
June.  
In moist meadows, bogs, and heaths, frequent.

*Lampocarpus.* J. *Eng. Bot. 2143.* Articulatus. *Flor. Brit.*  
Shining fruited Jointed Rush. Perennial.  
June.  
In the same places as the acutiflorus, and equally  
common. This occasionally becomes viviparous.

*uliginosus.* J. Little Bulbous Rush. Perennial. June,  
July.  
In wet moorish pastures, occasionally. About Bal-  
vie and Airdrie.

*var s.* Gramen, junceum minimum, paniculis foli-  
aceis.  
On the banks of Huggenfield loch. A viviparous  
variety.

*bulbosus.* J. Round-fruited Rush. Perennial. July.  
In salt marshes. On the banks of the Clyde from  
Bowling Bay to Helensburgh.

*biflorus.* J. Toad Rush. Annual. July, August.  
Every where very common.

*pilosus.*    J. Hairy Rush. Perennial. March, April.  
In woods, common.

*sylvaticus.*    J. Wood Rush. Perennial. May.  
In woods, common.

*campestris.*    J. Hairy Field Rush. Perennial. April, May.  
On dry pastures, common.

*var.  $\beta$ .*    Gramen, hirsutum elatius paniculâ junceâ compactâ.  
In more moist situations, occasionally. Spike more compact, whole plant tall, not so leafy.

BERBERIS. *Flor. Brit.* 387.

*vulgaris.*    B. Barberry. Shrub. May, June.  
In woods and hedges. In the woods about Lanark, plentifully.

PEPLIS. *Flor. Brit.* 389.

*Portula.*    P. Water Purslane. Annual, July, August.  
In marshy places, frequent. On the banks of Huggenfield and Frankfield lochs.

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<sup>t</sup> The stamens of the Barberry, when touched at the base of the filament, contract suddenly, and throw the pollen against the stigma; it is worthy of remark, however, that if the Petals are cut off, though without injuring the other parts, the stamens instantly lose their irritability, and are no longer affected by the touch of any extraneous substance.

## II. TRIGYNIA.

RUMEX. *Flor. Brit.* 390.

*sanguineus.* R. Bloody-veined Dock. Perennial. July.  
In woods, rare. In the woods Bothwell, sparingly.

*crispus.* R. Curled Dock. Perennial. June, July.  
In meadows, pastures, and on road sides, very common.

*acutus.* R. Sharp Dock. Perennial. July.  
In moist meadows, occasionally.

*obtusifolius.* R. Broad-leaved Dock. Perennial. July, August.  
In meadows and on road sides, common.

*aquaticus.* R. Great Water Dock. Perennial. July, August.  
In ditches and banks of rivers, not common. On the banks of the Clyde at Old Kilpatrick.

*Acetosa.* R. Common Sorrel. Perennial. June.  
In meadows and pastures, common.

*Acetosella.* R. Sheep's Sorrel. Perennial. June, July.  
In dry sandy pastures, and on wall tops, frequent.

TRIGLOCHIN. *Flor. Brit.* 398.

*pulustre.* T. Marsh Arrow-grass. Perennial. July.  
In marshes, frequent. Bog Dalbeth, plentifully.

*maritimum.* T. Sea Arrow-grass. Perennial. May—August.  
In salt marshes. Banks of the Clyde at Kilpatrick and Bowling Bay.

## III. POLYGYNIA.

ALISMA. *Flor. Brit.* 400.

*Plantago.* A. Great Water Plantain. Perennial. July.  
In ditches, ponds, and the banks of rivers, common.

*var s.* *Alisma lanceolata.*

Occasionally with the other. Leaves narrow, more lanceolate.

*ranunculoides.* A. Small Water Plantain. Perennial. July August.

In marshes, rare. In the marsh beyond Possil.

## CLASS VIII.

### **O C T A N D R I A.**

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#### I. MONOGYNIA.

##### **EPILOBIUM. *Flor. Brit. 409.***

*angustifoli-* E. Rose-bay Willow-Herb. Persian or French Willow. Perennial. July.\*  
About the banks of the Clyde at Barneluih.

*hirsutum.* E. Great hairy Willow-herb. Codlings and Cream. Perennial. July.  
In marshy places, occasionally. Near Daldowie, Dr. Brown.

*parviflorum.* E. Small-flowered hoary Willow-herb. Perennial. July.  
In marshes, and on the banks of lochs and rivers, frequent.

*montanum.* E. Broad-smooth-leaved Willow-herb. Perennial. July.  
On stony places, frequent.

*retrofractum.* E. Square stalked Willow-herb. Perennial.  
In marshes and ditches, frequent.

*palustre.* E. Round stalked marsh Willow-herb. Perennial. July.  
In ditches, and sides of marshes and lochs, occasionally.

VACCINUM. *Flor. Brit.* 414.

*Myrtillus.* V. Bilberry, or Bleaberry. Shrub. May.  
On heaths and moors, common.

*Oxycoccus.* V. Cranberry. Perennial. June.  
In marshes, frequent.

ERICA. *Flor. Brit.* 417.

*vulgaris.* E. Common Heath or Ling. Shrub. June, July.  
On heaths and moors, common, varying with white flowers.

*var. 8.* E. *Vulgaris hirsuta.*  
Found with the other, but generally in a wetter situation. Whole plant hairy, smaller than the common one.

*Tetralix.* E. Cross-leaved Heath. Shrub. July, August.  
In wet moors, common, it is sometimes found with white flowers.

*cinerea.* E. Fine-leaved Heath. Shrub. July, August.  
On moors occasionally, intermixed with the *Vulgaris*, and like it, having sometimes white flowers.  
On Cathkin hills, frequent.

DAPHNE. *Flor. Brit.* 420.

*Laureola.* D. Spurge Laurel. Shrub. March.  
In woods, rare. In the woods, Bothwell.

## II. TRIGYNIA.

POLYGONUM. *Flor. Brit.* 427.

*amphibium*. P. Amphibious Persicaria. Perennial. July, August.

In ditches and stagnant waters, frequent. <sup>u</sup>

*Persicaria*. P. Spotted Persicaria. Annual. July, August.

In ditches and marshy places, common.

*lapathifoli-um*. P. Pale-flowered Persicaria. Annual. July, August.

In fields and on dunghills, frequent.

*var. a.* caule et floribus rubris.

Occasionally intermixed with the other. The stem and flowers being reddish, constitute this variety.

*Hydropiper*, P. Biting Persicaria. Annual. September.

In ditches and watery places, rare. At Stonelaw. Ure.

*Bistorta*. P. Great Bistort, or Snakeweed. Perennial. June.

In pastures and woods, occasionally. In waste ground at Kilbride. Ure. Abundantly in a glen near Castlemilk. Banks of the Kelvin at Gairbraid.

*aviculare*. P. Knotgrass. Annual. April—October.

In fields and by road sides, very common.

<sup>u</sup> The flowers are very frequently proliferous.

*Convolvulus*. P. Climbing Buck-wheat. Black Bindweed.  
Annual. June, July.

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### III. TETRAGYNIA.

PARIS. *Flor. Brit.* 431.

*quadrifolia*. P. Herb Paris. Perennial. July.

In woods, rare. Banks a little above Calderwood.  
Ure. Banks of the Cart opposite the mill. Dr.  
Brown.

ADOXA. *Flor. Brit.* 432.

*Moschatel-lina*. A. Tuberous Moschatell. Perennial. A  
pril, May.

In woods and at the roots of hedges, frequent.

## CLASS X.

### DECANDRIA.

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#### I. MONOGYNIA.

##### PYROLA. *Flor. Brit. 443.*

*rotundifolia.* P. Round leaved Winter-green. Perennial. July.

On the banks of the Clyde between the falls of Corra-Lyn and Bonnington. Light.

*media.* P. Intermediate Winter-green. *Eng. Bot. 1945.* Perennial. July.

In shady places, frequent. Falls of the Clyde in the situation mentioned by Lightfoot for the *rotundifolia*. In a plantain between Dalbeth house and the road, abundantly. Woods at the Cartlane Crags. In a small wood near Frankfield loch.

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<sup>v</sup> I have inserted this plant in the present catalogue, on the authority of Lightfoot. If he was not mistaken in taking the *rotundifolia*, for the *media*, of which there is plenty in the situation above quoted, the plant is now lost. The *medea* is not uncommon in this part of the country, but I have never met with a single plant of the *rotundifolia*.

## II. DIGYNIA.

CHRYSSOPLIUM. *Flor. Brit.* 447.

*alternifoli-* C. Alternate-leaved Golden Saxifrage. Perennial. May.

In marshy places and small rills, rare. In the glen Castlemilk. Beetle's burn near Clyde Iron Works.

*oppositifoli-* C. Opposite leaved Golden Saxifrage. Perennial. May.

In moist woods, very common. \*

SAXIFRAGA. *Flor. Brit.* 448.

*stellaris.* S. Hairy Saxifrage. Perennial. June, July. In bogs on moors, occasionally. On Campsie hills. On Dumbarton moors. \*

*umbrosa.* S. London Pride. None-so-pretty. Perennial. June.\*

In the woods Bothwell, abundantly, probably introduced. On the banks of the Cart at Cartside, introduced.

*granulata.* S. White Saxifrage. Perennial. May. On dry banks, frequent. On the banks of the Clyde about Bogle's hole, Carmyle, and Bothwell, frequent.

\* The stamens are almost always eight, even in the central floret.

† Though naturally a bog plant, it grows perfectly well in a dry soil. Plants of it, as well as the *S. Hirculus*, and *Swertia perennis* have flowered for some years past in a dry border in Dalbeth garden.

SCLERANTHUS. *Flor. Brit.* 457.*annus.*

S. Annual Knawell. Annual. July.  
In sandy fields, frequent. On the sand hills about Tollcross, plentifully.

SILENE. *Flor. Brit.* 465.*inflata.*

S. Bladder Campion, or Catchfly. Perennial. July.  
In meadows, pastures, and on road sides, common.

*var.*

## Silene inflata, hirsuta.

On the banks of the Clyde at Old Kilpatrick, and at the ferry, Clyde Iron Works.<sup>7</sup>

*maritima.*

S. Sea Campion, or Catchfly. Perennial.  
July—September.  
On the coast, common. Banks of the Clyde at Helensburgh.

STELLARIA. *Flor. Brit.* 472.*nemorum.*

S. Wood Stitchwort. Perennial. May, June.  
In moist woods, occasionally. In the woods Castle-milk, Woodhall, and Hamilton.

*medea.*

S. Common Chickweed. Annual. Flowering during almost the whole year.  
In fields and on road sides, extremely common.

*holostea.*

S. Greater Stitchwort. Perennial. May.  
In dry woods and in bushy places, frequent.

<sup>7</sup> In this variety, which does not seem to have been previously remarked, the leaves are much narrower, and the whole plant thickly set with glandular, white, simple, hairs.

*graminea.* S. Lesser Stitchwort. Perennial. May. In dry fields, amongst heath and furze, common.

*glauca.* S. Glaucous Marsh Stitchwort. Perennial. June, July.

In ditches and marshy places, not unfrequent. In a ditch between Dalbeth and Tollcross. In the bog beyond Possil.

*uliginosa.* S. Bog Stitchwort. Annual. June. Common in rivulets, ditches, and marshes.

ARENARIA. *Flor. Brit.* 477.

*peploides.* A. Sea Chickweed or Sandwort. Perennial. June, July.

On the sea shore, and on rivers within reach of the tide. Banks of the Clyde from Dumbarton to Ardencaple.

*trinervis.* A. Plantain-leaved Chickweed or Sandwort. Annual? May, June.

In moist woods and borders of fields, but not common.

*serpyllifolia.* A. Thyme-leaved Sandwort. Annual. June, July.

In dry fields and on wall tops, frequent. On the old walls of Craignethan Castle. Wall near Dallnotter Iron Works, abundantly.

*rubra.* A. Purple Sandwort. Annual. July, August.

In sandy fields, frequent. Sand hills, Tolcross.

*marina.* A. Sea Spurrey-Sandwort. Biennial. June, July.

In sandy places near the sea. Banks of the Clyde at Helensburgh.

## IV. PENTAGYNIA.

SEDUM. *Flor. Brit.* 485.

*Telephium.* S. Orpine or Live-long. Perennial. August.

On the borders of fields, and at the roots of hedges, occasionally. In a field between Whitevale and Camlachie, plentifully.

*anglicum.* S. English Stonecrop. Annual. July.

On dry sandy places. On the rock Dumbarton Castle. Rocks opposite the Inn, Bowling Bay. Walls about Helensburgh.

*acre.* S. Biting Stonecrop. Wall Pepper. Perennial. July.

In the same situations as the last, but much more common.

*villosum.* S. Hairy Stonecrop. Perennial. June, July.

On wet moors and road sides, frequent. On the hills above Castlemilk and Cathkin. About Balvie, plentifully. Road side near Airdrie.

*reflexum.* S. Yellow Stonecrop. Perennial. July.

On walls rare. On the ruins Craignethan Castle.

OXALIS. *Flor. Brit.* 491.

*Acetosella.* O. Common Wood-Sorrel. Perennial. April. May.

In woods and on hedge banks, common.

*var. s.* Trifolium acetosum vulgare, flore purpureo.

In woods, frequent. Flowers large, purple.

*corniculata.* O. Yellow procumbent Wood-Sorrel. Perennial. June—October.\*

On an old wall between the Avon and Barncluith.

**AGROSTEMMA. *Flor. Brit.* 492.**

*Githago.* A. Corn Cockle. Annual. June, July. Amongst corn, frequent.

**LYCHNIS. *Flor. Brit.* 493.**

*Flos-Cuculi.* L. Ragged Robin. Meadow Lychnis. Perennial. June.

In wet meadows and pastures, common. It is found with white, and sometimes with double flowers, as at Bowling Bay.

*dioica.* L. Red Campion. Perennial. May, September.

Under hedges and in moist fields, frequent.

*var. 3.* L. *dioica. flore-albo.*

In dry grass fields, frequent. Flowers white.

**CERASTIUM. *Flor. Brit.* 496.**

*europaeum.* C. Broad-leaved Mouse-ear Chick-weed. Annual. April, May.

In pastures, on road sides, and on walls, frequent.

*viscosum.* C. Narrow-leaved Mouse-ear Chick-weed. Perennial. May—September.

In the same situations with the last, and equally common.

*aquaticum.* C. Water Chickweed. Perennial. July. In ditches and on the banks of rivers, occasionally.

SPERGULA. *Flor. Brit.* 502.

*arvensis.* S. Corn Spurrey. Annual. July. August.

In sandy corn fields, very common.

*nodosa.* S. Knotted Spurrey. Perennial. July, August.

In wet sandy places. In the bog beyond Possil, plentifully. Banks of the Clyde at Bowling Bay.

## CLASS XI.

### **DODECANDRIA.**

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#### **I. MONOGYNIA.**

##### **LYTHRUM. *Flor. Brit.* 509.**

*Salicaria.* L. Purple Loosestrife. Perennial. July, August.

In marshy places, and on the banks of rivers, frequent. On the banks of the Clyde, very common, especially about Renfrew, and between Bowling Bay and Dumbarton. Fields about Helensburgh and Ardencaple.

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#### **II. DIGYNIA.**

##### **AGRIMONIA. *Flor. Brit.* 511.**

*Eupatoria.* A. Common Agrimony. Perennial. June, July.

In hedges, and on the borders of fields, common.

## III. TRIGYNIA.

RESEDA. *Flor. Brit.* 512.

*Luteola.* R. Dyer's-weed. or Weld. Annual. July.  
In waste ground and dry pastures, frequent. Banks  
of the Clyde at Bogle's hole and Westhorn.  
Fields about Mountvernon.

EUPHORBIA. *Flor. Brit.* 513.

*Peplus.* E. Petty Spurge. Annual. July, August.  
In gardens and cultivated fields, frequent.

*helioscopia.* E. Sun Spurge, or Wart-wort. Annual.  
July, August.  
With the last, but more common.

*Lathyris.* E. Caper Spurge. *Eng. Bot.* 2255. Per-  
ennial. June—August.  
In the garden at Barncluith.<sup>2</sup>

## IV. DODECAGYNIA.

SEMPERVIVUM. *Flor. Brit.* 522.

*tectorum.* S. Common Houseleek. Perennial. July.  
On house tops, frequent.

<sup>2</sup> This plant, though it may have been originally introduced, has now become a very troublesome weed, from the great facility with which it perfects and sows its seed.

## CLASS XII.

### ***ICOSANDRIA.***

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#### **I. MONOGYNIA.**

##### **PRUNUS. *Flor. Brit.* 526.**

*Padus.* P. Bird Cherry. Tree. May.  
In woods, hedges, and on banks of rivers, frequent.  
Woods, Hamilton. Banks of the Clyde, Kelvin,  
and Cart.

*Cerasus.* P. Cherry Tree. Tree. May.\*  
In woods and hedges, frequent.

*domestica.* P. Plum-tree. Tree. April.\*  
In woods and hedges.

*spinosa.* P. Sloe-Tree. Black-thorn. Shrub. March,  
April.  
In hedges and thickets, common.

## II. PENTAGYNYIA.

MESPILUS. *Flor. Brit.* 529.

*Oxyacantha* M. Hawthorn. White-Thorn. May. Shrub.  
May, June.

In woods and hedges, common.

PYRUS. *Flor. Brit.* 531.

*Malus.* P. Apple-tree. Crab-tree. Tree. May.  
In woods and hedges, frequent.

*europaea.* P. Mountain Ash. Quicken-tree. Tree.  
May.

In woods, very common.

SPIRÆA. *Flor. Brit.* 535.

*Salicifolia.* S. Willow-leaved Spiræa. Shrub. July.  
In moist groves, rare. On the banks at Cartlane  
Crags, seemingly indigenous. In plantations, fre-  
quent.

*Ulmaria.* S. Meadow-sweet. Perennial. June, July.  
In moist meadows, and on the banks of rivers, com-  
mon.



## III. POLYGYNIA.

ROSA. *Flor. Brit.* 537.

*arvensis.* R. White Dog-rose. Shrub. June, July.  
In hedges, and on the borders of fields, occasional-  
ly. About Bogle's hole.

*rubiginosa.* R. Sweet-briar. Eglantine. Shrub. June, July.\*  
In hedges, frequent, scarcely indigenous.

*canina.* R. Common Dog-rose, Wild-briar, or Hep-tree. Shrub. June.

RUBUS. *Flor. Brit.* 541.

*idœus.* R. Rasp-berry. Shrub. May, June.  
In woods, frequent. In the woods Bothwell, Hamilton, and Lanark. In a wood near Daldowie, plentifully.

*corylifolius.* R. Hazel-leaved Bramble. Shrub. July.  
In hedges and the borders of fields, occasionally.  
Banks of the Clyde about Carmyle.

*fruticosus.* R. Common Bramble. Shrub. July, August.  
In the same situations as the preceding, but much more frequent.

*saxatilis.* R. Stone Bramble. Perennial. June.  
In stony woods, rare. In Cleghorn wood, and at Boniton near Lanark.

*Chamœmo-rus.* R. Mountain Bramble, or Cloud-berry.  
On wet moorish hills, rare. In Cleghorn and Boniton woods with the *saxatilis*. On the Campsie hills.

FRAGARIA. *Flor. Brit.* 546.

*vesca.* F. Wood Strawberry. Perennial. May, June.  
In woods and on dry hedge banks, common. It frequently occurs with white fruit.

*sterilis.* F. Barren Strawberry. Perennial. March, April.

In dry pastures, very common.

*elatior.* T. Hautboy Strawberry. *Eng. Bot.* 2197. Perennial. June, July.\*

On road sides, and borders of fields near houses, not indigenous.

**POTENTILLA. *Flor. Brit.* 547.**

*anserina.* P. Silver-weed. Wild Tansey. Perennial. June, July.

In moist meadows and on road sides, very common

*reptans.* P. Common creeping Cinquefoil. Perennial. June—August.

In meadows, pastures, and on road sides, occasionally. Banks of the Clyde near Dalbeth.

**TORMENTILLA. *Flor. Brit.* 552.**

*officinalis.* T. Common Tormentil, or Septfoil. Perennial. June, July.

In barren pastures, woods, and on dry heathy places, common.

**GEUM. *Flor. Brit.* 454.**

*urbanum.* G. Common Avens. Herb Bennet. Perennial. May—August.

In woods, and at the roots of hedges, common.

*rivale.* G. Water Avens. Perennial. June, July.

In moist meadows and in hedges, very frequent.

*var. s.* **Floribus flavis. Geum intermedium. With. 2d**  
Ed.

With the preceding, frequent. Banks of the Clyde  
between Bogle's hole and Daldowie.<sup>a</sup>

**COMARUM. Flor. Brit. 556.**

***palustre.* C. Marsh Cinquefoil. Perennial. June,**  
July.

In marshes, very frequent.

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<sup>a</sup> Except the colour of the petals, and the smaller size  
of the plant, there seems no specific difference between  
this and the *rivale*.

## CLASS XIII.

### **POLYANDRIA.**

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#### **I. MONOGYNIA.**

##### **CHELIDONIUM. *Flor. Brit.* 562.**

*majus.* C. Celandine. Perennial. May, June.\*  
On rubbish near houses, occasionally.

##### **GLAUCIUM. *Flor. Brit.* 563.**

*luteum.* G. Yellow Horned-Poppy. Biennial. July, August.  
On the shore at Helensburgh, plentifully.

##### **PAPAVER. *Flor. Brit.* 565.**

*dubium.* P. Long-smooth-headed Poppy. Annual.  
June, July.  
In sandy fields, occasionally, as about Bogle's hole.

*Rheas.* P. Common Red Poppy. Corn Rose. Annual.  
June, July.  
Amongst corn, frequent.

NYMPHÆA. *Flor. Brit.* 569.

*lutea.* N. Yellow Water-Lily. Perennial. July.  
In lakes, frequent. In Frankfield, Huggenfield, and  
Mugdock lochs. In loch at Kilpatrick. <sup>b</sup>

*alba.* N. White Water-Lily. Perennial. July.  
In the same situations as the other.

CISTUS. *Flor. Brit.* 572.

*Helianthe-* C. Common dwarf Cistus. Shrub. July,  
*mum.* August.  
On dry pastures and banks, occasionally. On the  
banks of the Mouse at Cartlane Crags. Pastures  
about Airdrie.

## III. PENTAGYNIA.

AQUILEGIA. *Flor. Brit.* 578.

*vulgaris.* A. Common Columbine. Perennial. July.  
In pastures, and on the banks of rivers, frequently.  
Banks of the Clyde at Blantyre Priory, and at the  
falls. At the bottom of the Cartlane Crags. In  
the wood above Castlemilk.

<sup>b</sup> This plant is now separated from the Genus *Nymphæa*, and placed under the Genus *Nuphar*. The Generic character of which is as under.

Cal. of 5 or 6 leaves. Petals numerous, inserted with  
the stamens into the receptacle, bearing honey at their  
backs. Stigma, with radiating furrows, sessile. Berry  
supérieur of many cells, seeds numerous. A new British  
species has been lately discovered by M. Borrer in the  
lake on Ben Cruachan, and published in Eng. Bot. under  
the name *Nuphar minima*. Least *Nuphar*.

## V. POLYGYNIA.

ANEMONE. *Flor. Brit.* 580.

*nemorosa.* A. Wood Anemone. Perennial. April, May.  
In woods and pastures, common.

THALICTRUM. *Flor. Brit.* 583.

*flavum.* T. Common Meadow-rue. Perennial. July.  
In moist meadows, and on the banks of rivers, but not common. Banks of the Clyde at Dalbeth and Bowling Bay.

ADONIS. *Flor. Brit.* 586.

*autumnalis.* A. Corn Adonis. Pheasant's-eye. Annual.  
May—October.\*  
Amongst corn, occasionally.

RANUNCULUS. *Flor. Brit.* 587.

*Flammula.* R. Lesser Spear-wort. Perennial. June—September.  
In marshes and ditches, common.

*var. 3.* R. reptans. *Light.*

On the edge of the loch, Dougalston. Plant small, stem taking root at the joints.

*Ficaria.* R. Pilewort. Lesser Celandine. Perennial.  
April.

In meadows and pastures, common. It varies with double flowers.

*europaea.* R. Wood Crowfoot. Goldilocks. Perennial.  
April, May.

In woods, occasionally. On Kenmuir banks.

*sceleratus.* R. Water Crowfoot. Celery-leaved Crowfoot. Annual. June—August.  
In marshes, and on the banks of lochs, occasionally. About Frankfield loch.

*bulbosus.* R. Bulbous Crowfoot. Butter-cups. Perennial. May.  
In meadows and pastures, common.

*hirsutus.* P. Pale hairy Crowfoot. Annual. June—October.  
In meadows and marshy places, occasionally. Side of a burn between Dalbeth and Tollcross.

*repens.* R. Creeping Crowfoot. Perennial. June—August.  
In moist meadows and pastures, common.

*acris.* R. Upright Meadow Crowfoot. Perennial. June, July.  
In meadows and pastures, common.

*arvensis.* R. Corn Crowfoot. Annual. June.  
Amongst corn, rare. At Bogle's hole.

*hederaceus.* R. Ivy Crowfoot. Perennial. May—August.  
In ditches, shallow rills, and wet places, occasionally.

*aquatilis.* R. Water Crowfoot. Perennial. May, June.  
In ditches and rivers, frequent.

*var. v.* Leaves finely divided, segments linear short, outline round.  
In ditches and lochs, frequent.

*var. 2.* Leaves hair-like, very long, floating in the direction of the stream.  
In Clyde, frequent; below the wooden bridge. <sup>c</sup>

**TROLLIUS.** *Flor. Brit.* 597.

*europaeus.* T. Globe-flower. Perennial. May, June.  
In damp pastures, and on the banks of rivers, occasionally. Banks of the Clyde at Kenmuir, Daldowie, Bothwell, and the falls. Pastures near Airdrie, abundantly.

**HELLEBORUS.** *Flor. Brit.* 598.

*fetidus.* H. Stinking Hellebore. Bear's-foot. Setterwort. Perennial. March, April.  
Banks of the Clyde at Blantyre Priory, abundantly.  
Old walls, Barncluith.

**CALTHA.** *Flor. Brit.* 599.

*palustris.* C. Marsh Marigold. Perennial. May.  
In marshes, very common, varying sometimes with double flowers.

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<sup>c</sup> There is a variety of this plant which occurs in dry ground, with the leaves roundish, indistinctly three lobed, scarcely cut, whole plant very small, flowers minute, approaching in appearance to the *R. hederaceus*. When transplanted into a wet situation it enlarges in size, the leaves become more deeply lobed, and it assumes nearly the appearance of *R. aquatilis*, var *a*.

## CLASS XIV.

### **DIDYNAZIA.**

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#### **I. GYMNOSPERMIA.**

##### **AJUGA. *Flor. Brit.* 604.**

*reptans.* A. Common Bugle. Perennial. May, June.  
In moist pastures and woods, frequent.

##### **TEUCRIUM. *Flor. Brit.* 606.**

*Scorodonia.* T. Wood Germander. Wood Sage. Perennial. July.  
In dry heathy places and woods, frequent.

##### **NEPETA. *Flor. Brit.* 608.**

*cataria.* N. Nep, or Cat-mint. Perennial. July.  
Hedges near Cragnethan Castle.<sup>a</sup>

##### **MENTHA. *Flor. Brit.* 609.**

*hirsuta.* M. Hairy Mint. Perennial. August, September.  
On the banks of rivers, and in marshes, frequent.

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<sup>a</sup> Inserted on the authority of a person who sent plants from thence, not having found it myself.

*subra.* M. Tall red Mint. Perennial. September. In ditches, and on the banks of rivers, rare. Banks of the Clyde at Hamilton.

*arvensis.* M. Corn-Mint. Perennial. June—September. In dry sandy fields, frequent.

**GLECHOMA. *Flor. Brit.* 625.**

*hederacea.* G. Ground-Ivy. Gill. Ale-hoof. Perennial. April, May. At the bottom of hedges, and in woods, frequent.

**LAMIUM. *Flor. Brit.* 626.**

*album.* White Archangel. White Dead-nettle. Perennial. May—August. In bushy places, and on road sides, frequent.

*purpureum.* L. Red Archangel. Purple Dead-nettle. Annual. May. In cultivated and uncultivated ground, common.

*incisum.* L. *Eng. Bot.* 1933. L. *purpureum*, var. *a*. *Flor. Brit.* Cut-leaved Archangel. Annual. May. Found with the preceding, occasionally.

*amplexicaule.* L. Henbit Archangel. Great Henbit. Annual. February—June. In dry fields and in gardens, frequent.

**GALEOPSIS. *Flor. Brit.* 628.**

*Tetrahit.* G. Common Hemp-Nettle. Annual. July, August. In corn fields, frequent.

*versicolor.* G. Large-flowered Hemp-Nettle. Bee Nettle. Annual. July, August.  
In corn fields, frequent.

BETONICA. *Flor. Brit.* 632.

*officinalis.* B. Wood Betony. Perennial. July, August.  
In woods, not unfrequently.

STACHYS. *Flor. Brit.* 632.

*sylvatica.* S. Hedge Woundwort. Perennial. July, August.  
In woods, frequent.

*palustris.* S. Marsh Woundwort. Perennial. August.  
On the banks of rivers, and in fields, common.

*arvensis.* S. Corn Woundwort. Annual. July, August.  
In dry sandy corn fields, occasionally. Fields at Carmyle.

BALLOTA, *Flor. Brit.* 635.

*nigra.* B. Black or Stinking Horehound. Perennial. July, August.  
In waste ground and in hedges, occasionally. About Cathcart Castle.

LEONURUS. *Flor. Brit.* 637.

*Cardiaca.* L. Motherwort. Perennial. July, August.  
In hedges, rare. About Cragnethan Castle.

CLINOPODIUM. *Flor. Brit.* 638.

*vulgare.* C. Wild Basil. Perennial. August.  
In woods, occasionally. In the woods Hamilton, and on Kenmuir banks.

ORIGANUM. *Flor. Brit.* 638.

*vulgare.* O. Common Marjoram. Perennial. July, August.  
In bushy places and at hedge bottoms, frequent.

THYMUS. *Flor. Brit.* 639.

*Serpyllum.* T. Wild Thyme. Mother of Thyme. Perennial. July, August.  
On dry hills and heathy places, common.

*var.  $\beta$ .* *Serpyllum vulgare flore albo.*  
Frequently with the other.

*var.  $\gamma$ .* *S. vulgare flore amplo.*  
On the hills about Balvie, frequent.

*var.  $\pi$ .* *Serpyllum vulgare hirsutum.*  
In rather moist heathy places, frequent. On Cathkin hills.

SCUTELLARIA. *Flor. Brit.* 645.

*galericulata.* S. Common Skull-cap. Perennial. July, August.  
On the banks of rivers, and the borders of fields, occasionally. Banks of the Clyde at Bowling Bay, plentifully.

*minor.* S. Lesser Skull-cap. Perennial. August.  
Banks of the Clyde at Rosebank. Ure.

PRUNELLA. *Flor. Brit.* 646.

*vulgaris.* P. Self-heal. Biennial? July, August.  
In meadows and pastures, common, varying sometimes with white flowers.

## II. ANGIOSPERMIA.

BARTSIA. *Flor. Brit.* 647.

*viscosa.* B. Yellow Viscid Bartsia. Annual. July, August.  
 In marshy pastures, rare. Banks of the Clyde at Ardoch Cottage. Abundantly behind the Inn, Ardencaple.

*Odontites.* B. Red Bartsia. Annual. July, August.  
 In meadows and pastures, frequent.

RHINANTHUS. *Flor. Brit.* 649.

*Cristagalli.* R. Yellow Rattle. Annual. June.  
 In meadows and pastures, very common.

EUPHRASIA. *Flor. Brit.* 650.

*officinalis.* E. Eye-bright. Annual. July—September.  
 In pastures and heathy places, frequent.<sup>f</sup>

MELAMPYRUM. *Flor. Brit.* 651.

*pratense.* M. Common Yellow Cow-wheat. Annual.  
 July, August.  
 In woods, frequent. Woods at the falls of the Clyde, abundantly. Woods Balvie.

<sup>e</sup> The flowers have an agreeable, faint, musky smell, which they retain for a considerable time, even after they are dry.

<sup>f</sup> The colour of the petals vary much, being in some plants almost white, and in others dark purple.

PEDICULARIS. *Flor. Brit.* 655.

*palustris.* P. Marsh Lousewort. Perennial. June, July.

In marshes and moist meadows, frequent. It is sometimes, though rarely, found with white flowers.

*svylvatica.* P. Pasture Lousewort. Perennial. June, July.

In moist pastures and heathy places, frequent. At Kenmuir and about Balvie, plentifully.

ANTIRRHINUM. *Flor. Brit.* 656.

*Cymbalaria.* A. Ivy-leaved Snapdragon. Perennial. May—November.

On old walls, rare. On the old walls Bothwell Castle.

*Linaria.* A. Common Yellow Toadflax. Perennial. June, July.

At hedge bottoms, and on the borders of fields, common.<sup>s</sup>

*minus.* A. Least Snapdragon. Annual. June—August.

In sandy fields, rare. In the Barony Glebe. Dr. Brown. About Dalbeth. On old walls, Barncluith, near Hamilton.

*majus.* A. Great Snapdragon. Perennial. July, August.

On old walls. On the old walls Mugdock Castle.

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<sup>s</sup> The A. repens, when cultivated in the garden, occasionally assumes the same singular appearance, as is remarked in A. Linaria, var. *β.* Peloria.

SCROPHULARIA. *Flor. Brit.* 662.

*nodosa.* S. Knotty-rooted Figwort. Perennial. July.  
In woods and at the roots of hedges, frequent.

*aquatica.* S. Water Figwort. Water Betony. Perennial. July.  
In marshy places, rare. In a ditch in Carmyle wood.

DIGITALIS. *Flor. Brit.* 665.

*purpurea.* D. Purple Foxglove. Biennial. June, July.  
In dry pastures and bushy places, occasionally. It  
is sometimes found with white flowers.

## CLASS XV.

### **TETRADYNAZIA.**

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#### **I. SILICULOSA.**

##### **DRABA. *Flor. Brit.* 677.**

*verna.* D. Common Whitlow-grass. Annual. March, April.  
On walls and in dry pastures, common.

##### **THLASPI. *Flor. Brit.* 683.**

*arvense.* T. Penny Cress. Smooth Mithridate Mustard. Annual. June, July.  
In cultivated fields, very rare. Field on the banks of the Clyde between Dalbeth and Westhorn.

*campestre.* T. Common Mithridate Mustard. Annual. June.  
On road sides and the borders of fields, occasionally. At Langside. Dr. Brown. Abundantly on the road side near Drumpellier.

*hirsutum.* T. Hairy Mithridate Mustard. Biennial. June.  
Near Blantyre Priory. Dr. Brown.

*Bursa-Pastoris.* T. Common Shepherd's Purse. Annual. Flowering during the whole summer. On road sides and in fields, very common.

**COCHLEARIA.** *Flor. Brit.* 687.  
*officinalis.* C. Common Scurvy-grass. Annual. May. On the sea shore, and on rocks, occasionally. Banks of the Clyde from Old Kilpatrick to Ardencaple, abundantly. On the ruins of Mugdock Castle.

*var. y.* C. *groenlandica.* With the preceding, frequent. Plant much smaller, style elongated.

*Armoracia.* C. Horse-raddish. Perennial. May.\* In waste ground near gardens, occasionally.

**IBERIS.** *Flor. Brit.* 692.  
*amara.* I. Bitter Candy-tuft. Annual. July. In the fields between Hamilton and Glasgow, Lightfoot.<sup>b</sup>  
*nudicalis.* I. Naked-stalked Candy-tuft. Annual. May. In dry barren fields and waste ground, occasionally. In the sandy fields near Tollcross, abundantly.

<sup>b</sup> This plant is no longer to be found in the situation mentioned above.

<sup>1</sup> When cultivated in the garden, or even when sown in a moist soil, this plant increases in size, and has generally two or three leaves on the stem.

## II. SILIQUOSA.

CARDAMINE. *Flor. Brit.* 696.

*impatiens.* C. Impatient Ladies'-smock. Annual. May, June.  
On moist rocks, rare. On rocks on the banks of the river above the falls of the Clyde.

*hirsuta.* C. Hairy Ladies'-smock. Annual. March —June.  
In moist fields and shady woods, very frequent.

*flexuosa.* C. Zig-zag Ladies'-smock. *With.* 2d Ed. 715.  
On rocks a little above Calder bridge, plentifully.  
"Stem zig-zag; leaflets toothed, mostly alternate,  
unequal at the base."

*pratensis.* C. Meadow Ladies'-smock. Cuckow Flower.  
Perennial. April, May.  
In moist meadows and pastures, very common. It is sometimes found with double flowers.<sup>3</sup>

*amara.* C. Bitter Ladies'-smock. Perennial. April, May.  
In moist woods and on the banks of rivers, frequent.  
Banks of the Kelvin near Gairbraid. Dr. Brown.  
Banks of the Clyde at Udingston and Kenmuir,  
plentifully. Banks of the Calder a little above  
the bridge. In a glen near Mugdock Castle, and  
in one near Castlemilk.

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<sup>3</sup> The leaves fall off, and take root in the earth, by which singular mode it very frequently propagates itself.

SISYMBRIUM. *Flor. Brit.* 700.

*Nasturtium*. S. Water Cress. Perennial. June, July.  
Banks of rivers and lochs, and in ditches and marshy places, common.

*terrestris*. S. Annual Water Rocket. Annual. June—September.  
In watery places and the edges of lochs, not common. On the banks of Frankfield loch.

*amphibium*. S. Great Water Rocket or Radish. Perennial. June—August.  
Banks of rivers and lochs, and in marshes, occasionally. Banks of the Clyde, frequent. In the marsh beyond Possil. In Bardowie loch near the house.

ERYSIMUM. *Flor. Brit.* 706.

*officinale*. E. Common Hedge-mustard. Annual. June, July.  
On road sides and in waste ground, common.

*Barbarea*. E. Yellow Rocket. Bitter Winter's Cress. Perennial. May—August.  
In hedges and waste ground, and on the banks of rivers, very frequent. The flowers are sometimes double.

*Alliaria*. E. Garlick Hedge-mustard. Jack by the hedge. Sauce alone.  
In hedges and woods, not frequent. About Balvie, and plentifully about Mugdock Castle.

CHEIRANTHUS, *Flor. Brit.* 709.

*fruticosus*. C. Wild Wall-flower. Perennial. May, June.  
On old walls. Ruins of Mains. Ure. On the walls, Bothwell Castle.

HESPERIS. *Flor. Brit.* 711.

*inodora.* H. Scentless Dame's-violet. Perennial.  
May, June.  
In the fields near Holytown, seemingly indigenous.

ARABIS. *Flor. Brit.* 711.

*thaliana.* A. Common Wall-Cress. Annual. April.  
On walls and in dry sandy fields, common.

TURRITIS. *Flor. Brit.* 715.

*glabra.* T. Smooth Tower-Mustard. Biennial? May,  
June.  
In dry pastures, rare. In the wood opposite the Inn  
Bowling Bay, sparingly.

*hirsuta.* T. Hairy Tower Mustard. Perennial. May,  
June.  
On rocky places, rare. On the rocks at the bottom  
of the Cartlane Crags, plentifully.

BRASSICA. *Flor. Brit.* 717.

*Napus.* B. Rape, Navew, or Cole-seed. Biennial.  
May.  
In corn fields, frequent.

*Rapa.* R. Turnep. Biennial. April.\*  
On the borders of fields, frequent.

SINAPSIS. *Flor. Brit.* 721.

*arvensis.* S. Charlock. Wild Mustard. Annual. May,  
June.  
Amongst corn, common.

*alba.* S. White Mustard. Annual. June.  
In fields, waste ground, and on road sides, occa-  
sionally.

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*nigra.* S. Common Mustard. Annual. June.  
Borders of fields and waste ground, frequent.

RAPHANUS. *Flor. Brit.* 723.

*Raphanis-trum.* R. Wild Radish. Jointed Charlock. Annual.  
al. June, July.  
In corn fields, common.

## CLASS XVI.

### *MONADELPHIA.*

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#### I. PENTANDRIA.

##### *ERODIUM. Flor. Brit. 727.*

*Cicutarium.* E. Hemlock Stork's-bill. Annual. June —August.

In waste sandy ground, occasionally. In the sandy fields near Tollcross.

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#### II. DECANDRIA.

##### *GERANIUM. Flor. Brit. 729.*

*phaeum.* G. Dusky Crane's-bill. Perennial. May, June.

In bushy places, rare. Banks of the Clyde at Blantyre Priory.

*sylvaticum.* G. Wood Crane's-bill. Perennial. June, July.

In woods, frequent. Banks of the Clyde at Kenmuir. Banks of the Calder in a wood near the bridge, abundantly. <sup>k</sup>

*pratense.* G. Crowfoot-leaved Crane's-bill. Perennial. June, July.

In moist meadows and pastures, and in bushy places, frequent. <sup>l</sup>

*robertianum.* G. Stinking Crane's-bill. Herb Robert. Annual. May—October.

In woods, bushy places, and on old buildings, very frequent.

*lucidum.* G. Shining Crane's-bill. Annual. May, —August.

On rocks, old walls, and amongst rubbish, occasionally. On the walls, Blantyre Priory. Rocks, Cartlane Crags, abundantly. On a wall by the roadside, near Bowling Bay. <sup>m</sup>

*molle.* G. Dove's-foot Crane's-bill. Annual. April—August.

In meadows, pastures, and on waste ground, common.

<sup>k</sup> The stalks being two flowered, is by no means a constant character; it is often found with from two, to four on a stalk.

<sup>l</sup> A variety with double flowers is frequently cultivated in gardens, and it sometimes occurs with white, and more rarely with variegated petals.

<sup>m</sup> The leaves are of a roundish figure, and much more deeply divided than they are represented in Eng. Bot. 75. in other respects the plate is like those in the rest of the work, excellent.

*pusillum.* G. Small-flowered Crane's-bill. Annual.  
June—September.  
In waste ground, and in gravelly fields, occasionally.  
Frequent about Cambuslang.

*dissectum.* G. Jagged-leaved Crane's-bill. Annual.  
May, June.  
In waste ground and in dry pastures, occasionally.

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### III. POLYANDRIA.

#### ALTHÆA. *Flor. Brit.* 739.

*officinalis.* A. Marsh Mallow. Perennial. July—September.  
In marshes, rare. In a marshy place, Campsie hills.

#### MALVA. *Flor. Brit.* 740.

*sylvestris.* M. Common Mallow. Perennial. May—August.  
On road sides and in waste ground, but not common.  
At Crossbasket.

*rotundifolia.* M. Dwarf Mallow. Annual. June—September.  
Road sides and amongst rubbish, not common. About Hamilton.

*moschata.* M. Musk Mallow. Perennial. July, August.  
Borders of fields, on rocks, and waste ground, frequent. In the haugh Dalbeth. Rocks between Wellshot and Cambuslang. Rocks Dumbarton Castle.

## CLASS XVII.

### *DIADELPHIA.*

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#### I. HEXANDRIA.

##### *FUMARIA. Flor. Brit. 748.*

*officinalis.* F. Common Fumitory. Annual. May—  
August.

In gardens and hedges, common.

*capreolata.* F. Ramping Fumitory. Annual. June—  
September.

In the hedges about Hamilton.

*claviculata.* F. White Climbing Fumitory. Annual.  
June, July.

Said to grow on the thatch of houses near North-  
park.

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#### II. OCTANDRIA.

##### *POLYGALA. Flor. Brit. 752.*

*vulgaris.* P. Milkwort. Perennial. June, July.

In dry pastures, and on hedge banks, frequent, va-  
rying with blue, white, violet, and flesh coloured  
flowers.

## III. DECANDRIA.

SPARTIUM. *Flor. Brit.* 753.

*scoparium.* S. Common Broom. Shrub. May, June.  
In dry fields and bushy places, common.

GENISTA. *Flor. Brit.* 754.

*anglica.* G. Needle Green-weed. Petty Whin. Shrub.  
May, June.  
On moist heaths, rare. On the moors on Cathkin  
hills.

ULEX. *Flor. Brit.* 756.

*europæus.* U. Common Furze, Whin, or Gorse. Shrub.  
Flowering during great part of the year.  
In barren sandy ground, and on heaths, common.

ONONIS. *Flor. Brit.* 758.

*arvensis.* O. Rest-harrow. Cammock. Perennial.  
June—August.  
On the borders of fields, and in dry barren pastures,  
frequent.

*var.  $\gamma$ .* *Ononis repens.* *Light.*

On the banks of the Clyde at Bowling Bay. <sup>n</sup>

ANTHYLLIS. *Flor. Brit.* 759.

*vulneraria.* A. Kidney-vetch. Lady's-finger. Perenni-  
al. June—August.  
In sandy pastures, occasionally. About Tollcross.  
Fields near Port Eglinton.

<sup>n</sup> Never having found the var.  $\beta$ . *Flor. Brit.* *Ononis spis-  
nosa*, *With.* though the *O. arvensis* is very common in  
this part of the country, I am inclined to think the plants  
are distinct.

OROBUS. *Flor. Brit.* 761.

*tuberosus.* O. Common Orobos. Heath Pea. Perennial. May, June.  
In woods, bushy places, and hilly pastures, frequent.

*sylvaticus.* O. Wood Orobos or Bitter Vetch. Perennial. May, June.  
In woods, rare. Woods at the falls of the Clyde, abundantly. At Cartlane Crags, north side of the river.

LATHYRUS. *Flor. Brit.* 763.

*pratensis.* L. Yellow Lathyrus. Meadow Vetchling. Perennial. July, August.  
In meadows, pastures, and bushy places, common.

VICIA. *Flor. Brit.* 768.

*sylvatica.* V. Wood Vetch. Perennial. June—August.  
In mountainous woods, rare. Cartlane Crags. Light-foot. On the north side near the bottom, abundantly.

*Cracca.* V. Tufted Vetch. Perennial. July, August.  
In meadows, bushy places, and hedges, frequent.

*sativa.* V. Common Vetch. Annual. May, June.  
In fields, and amongst corn, frequent. On Cathkin hills it is found with white flowers.

*var. v.* *Vicia sylvestris, flore ruberrimo, siliquâ longâ nigra.*  
Abundantly about the falls of the Clyde. Flowers large, of a fine red colour, pods long, black.

*sepium.* V. Bush Vetch. Perennial. May, June.  
In bushy places and in hedges, frequent.

*tetrasperma*  
*mum.* E. Smooth Tare. Annual. June.  
In moist fields and bushy places, frequent.

*hirsutum.* E. Hairy Tare. Annual. June.  
In corn fields, meadows, and hedges, occasionally.  
About Renfrew, frequent.

*perpusillus.* O. Common Bird's-foot. Annual. May.  
In sandy pastures, frequent.

*officinale.* T. Common Melilot. Annual. June, July.  
In bushy places, under hedges, and amongst corn,  
occasionally. Road side between Rutherglen and  
Farme. Ure.

*repens.* T. White Trefoil. Dutch Clover. Peren-  
nial. May—September.  
In meadows and pastures, common. °

*pratense.* T. Common Purple Trefoil, or Clover. Ho-  
neysuckle Clover. Perennial. May—Sep-  
tember.  
In meadows and pastures, common.

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° A pretty variety sometimes occurs, in which the leaves are purple, in other respects it does not differ from the common kind.

*arvense.* T. Hare's-foot Trefoil. Annual. July, August.

In dry fields, rare. Abundantly about Chatelherault, near Hamilton.

*procumbens.* T. Hop Trefoil. Annual. June, July.  
In dry meadows and pastures, frequent.

*filiforme.* T. Slender Yellow Trefoil. Annual. June, August.  
In dry fields and on sandy banks, common.

*minus.* T. Lesser Yellow Trefoil. *Eng. Bot.* 1256.  
var s. *T. procumbens.* *Flor. Brit.* Annual.  
June, July.  
In dry fields with the preceding. <sup>p</sup>

### LOTUS. *Flor. Brit.* 793.

*corniculatus.* L. Common Bird's-foot Trefoil. Perennial.  
June—August.  
In meadows, pastures, and heaths, common.

### MEDICAGO. *Flor. Brit.* 795.

*sativa.* M. Lucerne. Purple Medick. Perennial.  
June, July.\*  
In meadows and pastures, occasionally.

*dupulina.* M. Black Medick or Nonesuch. Annual.  
May—August.  
In pastures, occasionally.

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<sup>p</sup> In *Eng. Bot.* this is made a distinct species, differing from the *filiforme*, in the hemispherical heads, consisting of many flowers, stalks straight and rigid, leaves on a very short general footstalk, the central leaflet, elevated on a much more considerable partial stalk, than the *file-forme*.

## CLASS XVIII.

### **POLYADELPHIA.**

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#### **I. POLYANDRIA.**

**HYPERICUM. *Flor. Brit.* 800.**

*quadrangulatum.* H. Square St. John's-wort. St. Peter's-wort. Perennial. July, August.

On the banks of rivers, in moist meadows, and bushy places, common.

*perforatum.* H. Perforated St. John's-wort. Perennial. July, August.

In bushy places, woods, and at the roots of hedges, common.

*dubium.* H. Imperforate St. John's-wort. Perennial. July, August.

In rather mountainous woods, rare. In a wood two miles from Lanark, on the Hamilton road.

*humifusum.* H. Trailing St. John's-wort. Perennial. July.

In meadows, pastures, and dry banks frequent.

*hirsutum.* H. Hairy St. John's-wort. Perennial. June, July.

In bushy places and hedges, but not common. Banks of the Clyde and Calder. Ure. In the wood near Hamilton at Cadzow Castle.

*pulchrum.* H. Small Upright St. John's-wort. Perennial. July.

In woods, bushy places, and in clayey pastures, occasionally.

## CLASS XIX.

### S Y N G E N E S I A.

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#### I. POLYGAMIA AEQUALIS.

TRAGOPOGON. *Flor. Brit.* 812.

*pratensis.* T. Yellow Goat's-beard. Biennial. June.  
In meadows, rare. Banks of the Clyde at Clyde  
Iron Works, plentifully.

*porrifolius.* T. Purple Goat's-beard. Biennial. May,  
June.  
In moist meadows, very rare.

PICRIS. *Flor. Brit.* 814.

*hieracioides.* P. Hawkweed Ox-tongue. Biennial. Ju-  
ly, August.  
On road sides and the borders of fields, frequent.

SONCHUS. *Flor. Brit.* 815.

*arvensis.* S. Corn Sow-thistle. Perennial. August.  
In corn fields, common.

*oleraceus.* S. Common Sow-thistle. Annual. July—  
September.  
In cultivated and waste ground, very common. It  
is sometimes found with white flowers.

98 SYNGENESIA—POLYGAMIA *ÆQUALIS.*

*var. y.* *Sonchus asper laciniatus.*  
Road sides, frequent. Leaves prickly, very much jagged.

*var. d.* *Sonchus asper non laciniatus.*  
Occasionally with the other. Leaves prickly, not jagged, slightly dentated.

LEONTODON. *Flor. Brit.* 822.

*Taraxacum.* L. Common Dandelion. Perennial. April—June.

In meadows, pastures and road sides, very common.

*var. s.* *Dens leonis augustioribus foliis.*  
Frequent with the other. Leaves narrow, very deeply laciniated.

*palustre.* L. Marsh Dandelion. Perennial. June, July.

On wet moors, not uncommon.

HEDYPNOIS. *Flor. Brit.* 823.

*hispida.* H. Rough Hedypnois. Perennial. July.  
In pastures occasionally.

*hirta.* H. Deficient Hedypnois. Perennial. July, August.  
In gravelly pastures and moors occasionally. Moors about Airdrie.

*autumnalis.* H. Autumnal Hedypnois. Perennial. August.  
In meadows and pastures, frequent.

HIERACIUM. *Flor. Brit.* 827.

*Pilosella.* H. Mouse-ear Hawkweed. Perennial. May—July.  
In dry pastures, and on banks, very common.

*murorum.* H. Wall Hawkweed. Golden Lungwort. Perennial. July.  
In woods, and on rocks and walls, rare. On a wall near Linnekilns. Ure. On the rocks at the Cart-lane Crags.

*sylvaticum.* H. Wood Hawkweed. Perennial. August.  
In mountainous woods, frequent. Woods about Lanark, plentifully.

*paludosum.* H. Succory-leaved Mountain Hawkweed. Perennial. July.  
In marshes, frequent.<sup>q</sup>

*sabaudum.* H. Shrubby broad-leaved Hawkweed. Perennial. August, September.  
In bushy places and by the sides of rivers, frequent. Banks of the Clyde, common.

*prenanthoides.* H. Glaucous-leaved Hawkweed. Perennial.  
August, September.  
On the banks of the Clyde near Westhorn.

*currantia-cum.* H. Orange Hawkweed. *Eng. Bot.* 1469.  
Perennial. July.\*  
In the fields about Balvie and Dougalston; originally, probably from the garden.

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<sup>q</sup> In Eng. Bot. this is mentioned as a rare plant in England; it is however frequently to be met with in marshes in many parts of Scotland.

100 SYNGENESIA-POLYGAMIA *ÆQUALIS.*

*pulmonari-* H. Lungwort Hawkweed. *Eng. Bot.* 2307.  
*um.* Perennial. June.  
In gravelly fields occasionally. Abundantly in a field on the banks of the Calder beside the bridge.

CREPIS. *Flor. Brit.* 836.

*tectorum.* C. Smooth Hawk's-beard. Smooth Succory Hawkweed. Annual. June—September.  
On dry waste places and on rubbish, frequent.

HYPOCHÆRIS. *Flor. Brit.* 840.

*radicata.* H. Long-rooted Cat's-ear. Perennial.  
June. August.  
In meadows and pastures, very common.

LAPSANA. *Flor. Brit.* 842.

*communis.* L. Nipple-wort. Annual. June, July.  
In cultivated and waste ground, common.

CHICORIUM. *Flor. Brit.* 843.

*Intybus.* C. Wild Succory. Perennial. July, August.  
Borders of fields, very rare. In a field near Belvidere, and one near Tollcross.

ARCTIUM. *Flor. Brit.* 844.

*Lappa.* A. Burdock. Clot-bur. Perennial. July, August.  
On road sides and waste ground, frequent.

SERRATULA. *Flor. Brit.* 845.

*tinctoria.* S. Common Saw-wort. Perennial. July, August.  
In woods and bushy places, rare. Banks of the Clyde between Daldowie and Bothwell.

CARDUUS. *Flor. Brit.* 847.

*lanceolatus*. C. Spear Thistle. Biennial. June—September.

On road sides and in uncultivated fields, common.

*escanthesoides*. C. Curled or Welted Thistle. Biennial. June, July.

In waste ground, occasionally varying with white flowers. Abundantly in the waste ground beside St. George's Church.

*tenuiflorus*. C. Slender-flowered Thistle. Annual. June, July.

On road sides and in waste ground, rare. About Balvie.

*palustris*. C. Marsh Thistle. Biennial. July, August. In marshes, and moist woods and pastures, common.

*arvensis*. C. Creeping Thistle. Perennial. July.

On road sides and in fields, but too common.

*mariannus*. C. Milk Thistle. Annual. August.

On rubbish, but generally near houses. On the rocks, Dumbarton Castle.

*hyterophyl-lus*. C. Melancholy Thistle. Perennial. July, August.

In moist pastures, rare. At Daldowie. Dr. Brown.

BIDENS. *Flor. Brit.* 858.

*tripartita*. B. Trifid Bur Marygold. Annual. August, September.

On the edges of ditches and in bogs, frequent.

*cernua.* B. Nodding Bur Marygold. Annual. September.  
In ditches and stagnant water, rare. On the edge of loch near New Kilpatrick, north side.

*cannabi-*  
*num.* E. EUPATORIUM. *Flor. Brit.* 859.  
Hemp-Agrimony. Perennial. July, August.  
In marshy places, rare. In a marshy place in Carmyle Wood, abundantly.

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## II. POLYGAMIA SUPERFLUA.

*vulgare.* TANACETUM. *Flor. Brit.* 862.  
Common Tansy. Perennial. July, August.  
On the borders of fields, banks of rivers and road sides, frequent. Banks of the Clyde at Westhorn, Dalbeth, Clyde Iron Works and Bogle's hole, plentifully.

*vulgaris.* ARTEMISIA. *Flor. Brit.* 863.  
Mugwort. Perennial. August.  
In hedges and on waste ground, frequent. Banks of the Clyde, common.

*dioicum.* GNAPHALIUM. *Flor. Brit.* 867.  
Mountain Cudweed. Perennial. June, July.  
On dry barren pastures, frequent. Hilly pastures, Cathkin and Balvie, plentifully.

*uliginosum.* G. Marsh Cudweed. Annual. August.  
In sandy boggy places, and where water has lain during winter. About the bog Kenmuir, plentifully.

*minimum.* G. Least Cudweed. Annual. July.  
In sandy and gravelly places, frequent. Sand hills, Tollcross, plentifully.

*germanicum.* G. Common Cudweed. Annual. June. August.  
In sandy pastures and on road sides, occasionally. In the gravel pits at Bothwell.

TUSSILAGO. *Flor. Brit.* 878.

*Farfara.* T. Colt's-foot. Perennial. March, April.  
In moist calcareous ground, common.

*Petasites.* T. Common Butter-bur. Perennial. April.  
In moist meadows, and on the banks of rivers, common.

SENECIO. *Flor. Brit.* 881.

*vulgaris.* S. Common Groundsel. Simson. Annual.  
Flowering during great part of the year.  
In cultivated and waste ground, extremely common.

*viscosus.* S. Stinking Groundsel. Annual. July—October.  
On waste ground, rare. At Rawhead. Ure.

*sylvaticus.* S. Mountain Groundsel. Annual. July.  
In sandy or gravelly fields and waste ground, frequently. About Tollcross.

*Jacobaea.* S. Common Ragwort. Perennial. July, August.  
In fields and on road sides, common.

*aquaticum*. S. Marsh Ragwort. Perennial. July, August.

In marshes and watery places, very common.

*saracenicus*. S. Broad-leaved Groundsel. Perennial. July, August.

In moist meadows and pastures, rare. In a small island in the Clyde, a little below Bothwell bridge. Dr. Brown. Border of a field near Mugdock Castle.

### ASTER. *Flor. Brit.* 888.

*Tripolium*. A. Sea Star-wort. Perennial. August, September.

In salt marshes and on the sea shore, common. Banks of the Clyde from Dumbarton to Arden-castle, abundantly.

### SOLIDAGO. *Flor. Brit.* 889.

*Virgaurea*. S. Common Golden-rod. Perennial. July—September.

In woods and bushy places, rare. Banks of the Clyde between Carmyle and Kenmuir.

### INULA. *Flor. Brit.* 890.

*Helenium*. I. Elecampane. Perennial. July, August.\* In moist meadows and pastures. About the ruins of Mugdock Castle.

### DORONICUM. *Flor. Brit.* 896.

*Pardalanthus*. D. Great Leopard's-bane. Perennial. May.\* On the borders of fields and in hedges, rare. Fields and hedges about Hamilton, scarcely indigenous.

BELLIS. *Flor. Brit.* 897.

*perennis.* B. Common Daisy. Perennial. Flowering during great part of the year.  
In meadows and pastures, common.

*Leucanthe-*  
*mum.* C. CHRYSANTHEMUM. *Flor. Brit.* 898.  
C. Great White Ox-eye. Perennial. June, July.  
In meadows, pastures, and on road sides, common.

*segetum.* C. Yellow Ox-eye. Corn Marygold. Annual. June—August.  
Amongst corn, common.

PYRETHRUM. *Flor. Brit.* 900.

*Parthenium.* P. Common Feverfew. Perennial. June, July.  
In waste ground, occasionally. Rocks between Wellshot and Cambuslang, plentifully.

*inodorum.* P. Corn Feverfew. Scentless May-weed. Annual. August, September.  
In fields and on road sides, frequent.

MATRICARIA. *Flor. Brit.* 902.

*Chamomilla.* M. Wild Chamomile. Annual. May—July.  
In fields and on waste ground, occasionally.

ANTHEMIS. *Flor. Brit.* 903.

*Cotula.* A. Stinking Mayweed or Chamomile. Annual. June, July.  
In fields, frequent.

ACHILLEA. *Flor. Brit.* 908.

*Piarmica.* A. Sneeze-wort, Yarrow. Goose-tongue. Perennial. July, August. In moist ground, frequent.

*Millefolium.* A. Common Yarrow, Milfoil. Perennial. June—August.

In meadows and pastures, common. It varies in the colour of the flower, from white to deep red.

*tomentosa.* A. Woolly Milfoil or Yarrow. *Wild.* 2209. Perennial. July, August.

On dry hilly pastures, that are exposed to the sun, rare. On Spittle hill to the north west of Balvie. On the hills in the neighbourhood of Paisley.

This plant, new to Britain, was discovered some time since by the Gardener at Balvie, in the situation mentioned above, and since, it has been found on the hills in the neighbourhood of Paisley.

Root slightly creeping, fibrous, fibres long, much branched, a little woolly towards the end. Stems several, procumbent at the base, scarcely a foot high, round, very woolly. Leaves twice pinnatifid, woolly, especially the radical ones, embracing the stem; their segments linear lanceolate, simple, bifid or trifid, crowded. Calyx oblong, woolly, pale, rather shining, the leaves edged with light brown. Corymbus compound, uneven. Flowers about the same size as those of the A. *Millefolium*, of a rich yellow colour.

Since writing the above, this plant has been figured in Eng. Bot. from specimens sent from this, and more recently from Ireland.

A. *tomentosa.* Woolly Yellow Millfoil, or Yarrow. Eng. Bot. 2532.

Spec. Char. Leaves doubly pinnatifid, woolly; segments crowded, linear, acute. Corymbs repeatedly compound.

### III. POLYGAMIA FRUSTRANEA.

#### CENTAUREA. *Flor. Brit.* 909.

*nigra.* C. Black, or Lesser, Knapweed. Perennial. June—August.  
In pastures and on road sides, common. It is sometimes found with white flowers.

*Cyanus.* C. Corn Blue-bottle. Annual. July, August.  
Amongst corn, frequent.

*Scabiosa.* C. Greater Knapweed. Perennial. July, August.  
On the margin of fields, rare. At the foot of a wall near the quarry beside Port Dundas. Dr. Brown. Banks of the Calder near the bridge.

## CLASS XX.

### **G Y N A N D R I A.**

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#### **I. DIANDRIA.**

**ORCHIS. *Flor. Brit.* 918.**

*bifolia.* O. Butterfly Orchis. Perennial. June.  
In moist meadows, frequent. About Dougalston and Balvie, very common. At Kenmuir.

*mascula.* O. Early Purple Orchis. Perennial. April, May.  
In pastures, very common, varying sometimes with white flowers.

*latifolia.* O. Marsh Orchis. Perennial. May, June.  
In moist meadows and in marshes, frequent. Banks of the Clyde. Marsh near Mugdock Castle. About Airdrie, very common.

*maculata.* O. Spotted Palmate Orchis. Perennial. June, July.  
In meadows and pastures, frequent, varying sometimes with flowers almost white.

*conopsea.* O. Aromatic Orchis. Perennial. June.  
In dry pastures, occasionally. Pastures about Mugdock Castle and Belvie, abundantly. On Cathkin hills immediately above Castlemilk. Road side about half way between Hamilton and Lanark.

*viride.* SATYRIUM. *Flor. Brit.* 927.  
S. Frog Satyrion. Perennial. June, July.  
In pastures and woods, but not common. In Dal-dowie woods. Dr. Brown. At Dougalston.

*albidum.* S. White Satyrion. Perennial. June.  
In dry pastures, rare. In a hilly pasture above Castlemilk. Pastures to the east of Mugdock Castle, abundantly.\*

*ovata.* OPHRYS. *Flor. Brit.* 931.  
O. Common Twayblade. Ovate Ophrys. Perennial. June.  
In woods and pastures, occasionally. Banks of the Clyde at Blantyre Priory. Woods, Bothwell. Neglected grass walks at Dougalston, plentifully.

*latifolia.* SERAPIAS. *Flor. Brit.* 942.  
S. Broad-leaved Helleborine. Perennial. July, August.  
In woods and pastures, frequent. In the woods Bothwell, Hamilton, and Woodhall, plentifully. Pastures, Dalbeth.

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\* Both this and the Orchis *conopsea*, are mentioned as growing in moist pastures. They are always found, however, on very dry ground, generally on the top of a hill, exposed to the sun, (in *apricis siccis sterilibus.*)

*var. 6.*

**H. altera atro rubente flore.**

In the woods Dougalston and Woodhall, frequent.  
Plant very pubescent, petals brownish red.

## CLASS XXI.

### ***MONOECIA.***

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#### **I. MONANDRIA.**

##### **ZANNICHELLIA. *Flor. Brit.* 955.**

*palustris.* Z. Horned Pondweed. Annual. July.  
In ditches, stagnant water, and rivers, rare. In the  
Clyde near the ford, Bogle's hole.

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#### **III. TRIANDRIA.**

##### **TYPHA. *Flor. Brit.* 959.**

*latifolia.* T. Great Cat's-tail or Reed-mace. Peren-  
nial. July.  
In stagnant water and ditches, rare. In a bog on  
the banks of the Clyde, about two miles to the  
east of Hamilton.

##### **SPARGANIUM. *Flor. Brit.* 961.**

*ramosum.* S. Branched Bur-reed. Perennial. July,  
August.  
In ditches and on the banks of rivers, common.

*simplex.* S. Unbranched upright Bur-reed. Perennial. July, August.  
In ditches and bogs, rare. In the bog, Rabroyston.

*natans.* S. Floating Bur-reed. Perennial. July.  
In lochs, ditches, and stagnant water, occasionally.  
In Frankfield and Mugdock lochs, abundantly.  
Pond, Dougalston. Ditch to the west of the bog  
at Rabroyston. Ditch leading into the loch at  
New Kilpatrick.

CAREX. *Flor. Brit.* 963.

*dioica.* C. Common Separate-headed Carex. Perennial. May, June.  
In marshy places, but not very frequent.

*pulicaris.* C. Flea Carex. Perennial. June.  
In marshes and moist meadows, frequent. Marsh,  
Kenmuir. Wet pastures above Gilbertfield Cas-  
tle.

*pauciflora.* C. Few-flowered Carex. Perennial. June.  
In marshes, rare. Near Glasgow. Hudson.

*stellulata.* C. Little Prickly Carex. Perennial. May,  
June.  
In marshes, frequent.

*curta.* C. White Carex. Perennial. June.  
In bogs, occasionally. In the bog Kenmuir, plenti-  
fully.

*remota.* C. Remote Carex. Perennial. May, June.  
In ditches and moist woods, occasionally. In a ditch  
at Garbraide. About Daldowie and Carmyle.

*arenaria.* C. Sea Carex. Perennial. June.  
On the sea shore. On the banks of the Clyde between Old Kilpatrick and Helensburgh.

*muricata.* C. Greater Prickly Carex. Perennial. May, June.  
In moist pastures, occasionally. Near Airdrie.

*vulpina.* C. Great spiked Carex. Perennial. May.  
In marshes and on the banks of rivers. Banks of the Clyde. Ure. Banks of the Clyde beyond Hamilton.

*teretiuscula.* C. Lesser Paniced Carex. Perennial. May.  
In bogs, rare. In a bog on the banks of the Clyde, two miles beyond Hamilton.

*paniculata.* C. Great Paniced Carex. Perennial. June.  
In marshes and watery places, occasionally. In a bog near Daldowie, and at Kenmuir. Banks of the Clyde at New Kilpatrick.

*sylvatica.* C. Pendulous Wood Carex. Perennial. May, June.  
In woods, frequent. In a wood between Cambuslang and Blantyre, abundantly.

*depauperata.* C. Starved Wood Carex. Perennial. May, June.  
In woods, very rare. In a small wood near Balvie.

*pallescens.* C. Pale Carex. Perennial. May, June.  
In moist pastures and woods; frequent.

*flava.* C. Yellow Carex. Perennial. May, June.  
In marshes and wet meadows, frequent.

*præcox.* C. Vernal Carex. Perennial. April.  
In dry pastures and heaths, frequent.

*pilulifera.* C. Round-headed Carex. Perennial. April, May.  
On moors, frequent. Moors Kilbride. Ure. Moors Airdrie and Helensburgh.

*panicea.* C. Pink-leaved Carex. Perennial. May, June.  
In marshes and moist meadows. Bogs Kenmuir and Dalbeth. Edge of the loch at New Kilpatrick.

*recurva.* C. Glaucous Heath Carex. Perennial. May, June.  
In moist meadows and on moors, occasionally. Marshy field, a little to the north of Milngavie. Bog near Daldowie.

*cæspitosa.* C. Tufted Bog Carex. Perennial. May.  
In marshes and moist meadows, common.

*stricta.* C. Glaucous Straight-leaved Carex. Perennial. April.  
In marshes, occasionally. Bog Kenmuir and near Daldowie.

*acuta.* C. Slender-spiked Carex. Perennial. May.  
In moist meadows and watery places, frequent. Banks of the Clyde at Hamilton.

*paludosa.* C. Lesser Common Carex. Perennial. May.  
On the banks of rivers, in ditches and watery places, common.

*riparia.* C. Great Common Carex. Perennial. April, May.  
In ditches and on the banks of rivers, frequent. Banks of the Clyde, at Carmyle and Kenmuir.

*leavigata.* C. Smooth-stalked Beaked Carex. Perennial. May.  
In marshes, rare. In marsh near Glasgow. J. Mackay.

*vesicaria.* C. Short-spiked Bladder Carex. Perennial. May.  
In marshes. In the Bog Possil.

*ampullacea.* C. Slender-beaked Bladder Carex. Perennial. May.  
In marshes, frequent, with the preceding.

*hirta.* C. Hairy Carex. Perennial. May, June.  
In moist meadows and woods, frequent. Woods Cambuslang. Banks of the Clyde at New Kilpatrick. Banks of the Clyde above Hamilton.

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## IV. TETRANDRIA.

### LITTORELLA. *Flor. Brit.* 1011.

*lacustris.* L. Plantain Shore-weed. Perennial. June, July.  
Banks of lochs and rivers, frequent. Edges of Frankfield, Huggenfield, Bardowie and Bishop lochs, abundantly. Pond, Dougalston. Loch near New Kilpatrick. In the Clyde at Bogle's hole ford.

### BETULA. *Flor. Brit.* 1011.

*alba.* B. Common Birch. Tree. April, May.  
In woods, frequent.

*more.* B. Dwarf Birch. Shrub. May.  
In marshes, rare. At Bertram, about a mile from Carnwath. Lightfoot.

*Alnus.* B. Common Alder. Tree. March.  
In marshes and on the banks of rivers, frequent.

URTICA. *Flor. Brit.* 1014.

*urens.* U. Small Nettle. Annual. June—October.  
In cultivated fields and on road sides, occasionally.  
In the fields near Parkhead, plentifully. <sup>t</sup>

*dioica.* U. Great Nettle. Perennial. July, August.  
In uncultivated fields, amongst rubbish, and on road sides, very common.

## VI. POLYANDRIA.

MYRIOPHYLLUM. *Flor. Brit.* 1021.

*spicatum.* M. Spiked water Millfoil. Perennial. July, August.  
In ditches, stagnant water, and rivers, common. In Clyde, frequent. In Frankfield, Huggenfield, and Bardowie lochs. <sup>u</sup>

ARUM. *Flor. Brit.* 1023.

*maculatum.* A. Cuckow-pint. Wake-Robin. Perennial. May.  
In woods and under hedges, occasionally. In the woods, Bothwell and Hamilton.

<sup>t</sup> The sting of this species is much more severe than the dioica.

<sup>u</sup> The leaves are occasionally in whorls of five or six, as in the more rare, *verticillatum*.

POTERIUM. *Flor. Brit.* 1024.

*Sanguisorba.* P. Common Burnet. Perennial. July.  
In dry pastures, occasionally. Dry sandy banks near the Clyde, Dalbeth.

QUERCUS. *Flor. Brit.* 1025.

*Robur.* Q. Common British Oak. Tree. April.  
In woods, common.

FAGUS. *Flor. Brit.* 1027.

*sylvatica.* F. Beech-Tree. Tree. April, May.  
In woods, common.

CORYLUS. *Flor. Brit.* 1030.

*Avellana.* C. Hasel-nut tree. Tree. March, April.  
In woods, common.

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VII. MONADELPHIA.PINUS. *Flor. Brit.* 1031.

*syloestris.* P. Scotch Fir. Tree. May.  
In woods, occasionally. In the woods Lanark.

## CLASS XXII.

### **DIOECIA.**

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#### **I. DIANDRIA.**

##### **SALIX. *Flor. Brit.* 1039.**

*Helix.* S. Rose Willow. Tree. March, April.  
In marshes, and on the banks of rivers. Banks of the Clyde, frequent.

*pentandra.* S. Sweet Willow. Bay-leaved Willow. Tree.  
May, June.  
Banks of rivers and watery places. Marsh near Kenmuir. Banks of the Clyde at Dalbeth.

*vitellina.* S. Yellow Willow. Tree. May.  
Banks of the Clyde, frequent.

*repens.* S. Creeping Dwarf Willow. Shrub. May.  
On moist heaths and in marshes, frequent.

*aurita.* S. Round-eared Willow. Trailing Sallow.  
Shrub. April, May.  
In moist woods. In a wood near Milngavie.

*aquatica.* S. Common Willow. Water Sallow. Tree. April.  
On the banks of rivers, and in moist places, frequent. Banks of the Clyde above Hamilton.

*caprea.* S. Great Round-leaved Sallow. Tree. April.  
In woods and hedges, frequent.

*viminalis.* S. Common Osier. Shrub. April, May.  
In marshes, frequent.

*alba.* S. Common White Willow. Tree. April, May.  
In woods and moist meadows, common. Banks of the Clyde, frequent.

*parvifolia.* S. Small-leaved Dwarf Willow. *Eng. Bot.* 1961. Shrub. April, May.  
In bogs. In a bog at Hillend, beyond Airdrie.



## II. TRIANDRIA.

### EMPETRUM. *Flor. Brit.* 1072.

*nigrum.* E. Black Crow, or Crake-Berry. Shrub. May.  
On mountainous heaths, frequent. Moors, Cathkin and Helensburgh.

### RUSCUS. *Flor. Brit.* 1073.

*aculeatus.* R. Butcher's Broom. Shrub. March, April.  
In the woods, Bothwell.

## III. TETRANDRIA.

MYRICA. *Flor. Brit.* 1076.

*Gale.* M. Sweet Gale. Dutch Myrtle. Shrub.  
May. In marshes, frequent. About Frankfield loch, abundantly.

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## IV. PENTANDRIA.

HUMULUS. *Flor. Brit.* 1077.

*Lupulus.* H. Hop. Perennial.. July.  
In the plantains, Possil. About Craignethan Castle.  
On the Hamilton road near Tollcross.

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## VI. OCTANDRIA.

POPULUS. *Flor. Brit.* 1079.

*tremula.* P. Asp. Aspen. Trembling Poplar. Tree.  
March, April.  
In moist woods, frequent.

## VII. ENNEANDRIA.

**MERCURIALIS.** *Flor. Brit.* 1083.

*perennis.* M. Perennial Mercury. Perennial. April, May.  
In woods, very common.

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## VIII. MONADELPHIA.

**JUNIPERUS.** *Flor. Brit.* 1085.

*communis.* J. Common Juniper. Shrub. May.  
On heaths, frequent. Barren hills to the north of Milngavie, abundantly. Moors, Helensburgh.

**TAXUS.** *Flor. Brit.* 1086.

*baccata.* T. Yew Tree. Tree. March, April.\*  
About houses and in hedges, frequent.

## CLASS XXIII.

### **POLYGAMIA.**

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#### **I. MONOECIA.**

##### **ASTRIPLEX. *Flor. Brit.* 1090.**

*portula-*  
*coides.* A. Shrubby Ovache. Perennial. July, Au-  
gust.  
On the shore near Helensburgh.

*laciniata.* A. Frosted Sea Orache. Annual. July.  
In the same place with the last.

*patula.* A. Spreading Halberd-leaved Orache. An-  
nual. June—August.  
On cultivated and waste ground, and on dunghills,  
frequent.

*augustifolia.* A. Spreading Narrow-leaved Orache. An-  
nual. June—August.  
With the preceding, very common.

## CLASS XXIV.

### **CRYPTOGAMIA.**

#### GRASS-LEAVED.

#### **I. FILICES.**

##### **EQUISETUM. *Flor. Brit.* 1102.**

*sylvaticum.* E. Branched Wood Horsetail. Perennial. April, May. In moist woods and pastures, very frequent. In the woods Woodhall, Dugalston, and Lanark, abundantly. Sides of the road between Cambuslang and Hamilton. In a field near Calder bridge.

*arvense.* E. Corn Horsetail. Perennial. March, April. In corn fields and in damp pastures, very common.

*pallidum.* E. Marsh Horsetail. Perennial. June, July. In marshes, rare. In a bog two miles beyond Hamilton.

*laeve.* E. Smooth naked Horsetail. Perennial. June, July. In stagnant water and bogs, very common. In most of the lochs in the neighbourhood of Glasgow.

*hyemale.* E. Rough Horsetail. Shave-grass. Perennial. July—August.  
 In marshes and moist woods, rare. Near Lanark. Dr. Stokes. Banks of the Kelvin, at Banks of the Clyde between Carmyle ford and the mill, plentifully.

*variegatum.* E. Variegated Rough Horsetail. *Eng. Bot.* 1987. Perennial. July.  
 Amongst the sand on the edge of Frankfield Loch.

OPHIOGLOSSUM. *Flor. Brit.* 1106.

*vulgatum.* O. Common Adder's-tongue. Perennial. May.  
 In moist pastures, rare. In the pastures about Woodhall, frequent.

OSMUNDA. *Flor. Brit.* 1107.

*regalis.* O. Royal Moonwort. Osmund Royal. Perennial. June, July.  
 In moist woods, rare. In Ardencaple wood.

LYCOPODIUM. *Flor. Brit.* 1808.

*clavatum.* L. Common Club-moss. Perennial. July, August.  
 On heaths, frequent.

*Selaginoides.* L. Prickly Club-moss. Perennial. August.  
 On moist heaths and moors, not common. On the moors above Old Kilpatrick and Helensburgh.

*Selago.* L. Fir Club-moss. Perennial. June—August.  
 On heaths and moors, frequent.

*alpinum.* L. Savin-leaved Club-moss. Perennial. August.

On barren hills, rare. On the top of the Cathkin hills.

**POLYPODIUM. *Flor. Brit.* 1113.**

*vulgaris.* P. Common Polypody. Perennial. May—October.

On wall tops, shady banks, and trunks of old trees, common.

*Phegopteris.* P. Pale Mountain Polypody. Perennial. June, July.

On moist stony places, and in woods, not common. In the woods at Hamilton, Lanark and Airdrie. On the road side about a mile beyond Milngavie towards Mugdock.

*Dryopteris.* P. Tender Three-branched Polypody. Perennial. July.

In moist woods and stony places, frequent. In the woods about Hamilton and Lanark, abundantly, rocky place near Cambuslang. Foot of a wall on the road side beyond Milngavie, growing with the Phegopteris.

**ASPIDIUM. *Flor. Brit.* 1118.**

*Lonchites.* A. Rough Alpine Shield-fern. Perennial. May, June.

In fissures of rocks below Caderwood. Ure. <sup>7</sup>

*Oreopteris.* A. Heath Shield-fern. Perennial. July.

In dry woods, but not common. In a wood between Hamilton and Lanark.

<sup>7</sup> I have frequently sought for this fern, without success; perhaps the young plants of *A. aculeatum* may have been mistaken for it.

*Filix-mas.* A. Male Fern. Male Shield-fern. Perennial. June, July.  
At the bottom of hedges and walls, and in dry ditches, very common.

*aculeatum.* A. Common Prickly Shield-fern. Perennial. June.  
In woods, very frequent, as at Hamilton, Cambuslang and Cathcart.

*lobatum.* A. Close leaved Prickly Shield-fern. Perennial. June.  
In woods, with the last. <sup>z</sup>

*Filix-femina.* A. Female Shield-fern. Perennial. June, July.  
In shady marshy places, common.

*dilitatum.* A. Great Crested Shield-fern. Perennial. June, July.  
In moist shady places, frequent.

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<sup>z</sup> I have inserted this Fern in the present Catalogue, from seeing the description and figure in English Botany, with which plants not unfrequent in this neighbourhood, seem perfectly to correspond.

There seems however to be very little difference between it and the aculeatum, if we except the breadth of the frond being less in proportion to its length. As to the great size of the uppermost leaflet, either the lobatum is not uncommon here, or the same thing may frequently be observed in the aculeatum, the upper leaflet of which at the base of each subdivision of the frond, as remarked of lobatum, frequently extends beyond the stalk above it.

ASPLENIUM. *Flor. Brit.* 1126.

*Trichoma-* A. Common Maidenhair Spleenwort. Perennial. Flowering during great part of the year.

On rocks and old walls, frequent. On the walls of Barncluith near Hamilton, abundantly. Rocks at the falls of the Clyde, and Cartlane Crags. Opposite the Inn, Bowling Bay. Old walls, Blantyre Priory.

*var. s.* *Trichomanes, foliis eleganter incisis.*  
On the walls Barncluith.

*Ruta-* A. Wall Spleenwort. White Maiden-hair. Perennial. June—October.

On old walls and shady rocks, occasionally. Walls at Calderwood. Ure. Garden wall, Tollcross. On the old walls, Mugdock Castle.

*Adiantum,* A. Black Maiden-hair Spleenwort. Perennial. June—October.

On old walls, dry banks and rocks, frequent. At Barncluith. Rocks opposite the Inn, Bowling Bay. Rocks, Crossbasket and Cambuslang. Cartlane Crags.

SCOLOPENDRIUM. *Flor. Brit.* 1133.

*vulgare.* S. Common Hart's-tongue. Perennial. July.

On damp shady rocks and old walls; occasionally. On the walls, Barncluith. Rocks at the falls of the Clyde.<sup>b</sup>

<sup>a</sup> It is occasionally found forked or divided, at the end as in *A. viride*.

<sup>b</sup> There are several varieties of this plant. The frond is sometimes curled or crisped in the margin; sometimes the end is divided and curled, and occasional-

BLECHNUM. *Flor. Brit.* 1135.

*boreale.* B. Northern Blechnum. Rough Spleenwort. Perennial. July. In moist woods, ditches, and at the bottom of walls, very common.

PTERIS. *Flor. Brit.* 1136.

*aquilina.* P. Common Brakes. Perennial. July. On heaths, in woods, and on hills, very common.

CYATHÉA. *Flor. Brit.* 1138.

*fragilis.* C. Brittle Cup-fern. Perennial. June, July. On old walls and damp shady rocks, frequent. On the walls Barncluith, and the rocks at the falls of the Clyde. On Mugdock Castle, abundantly.

PILULARIA. *Flor. Brit.* 1143.

*globulifera.* P. Pillwort or Pepper-grass. Perennial. June, July. In the pond at Galloflat. Ure.

ISOETES. *Flor. Brit.* 1144.

*lacustris.* J. Quillwort. Perennial. May, June. In lakes, at the bottom. In Mugdock loch.

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ly the stalk is branched. In a wood in Yorkshire some years since, I found a plant in which the whole of the above varieties were united; the stalk being branched, the margin of the frond waved or curled, and the end of it repeatedly lobed or subdivided. These varieties are propagated by dividing the root, the plants being always barren.

## II. MUSCI.

SPHAGNUM. *Flor. Brit.* 1145.

*latifolium.* S. Broad-leaved Bog-moss. Perennial. June.  
In wet spongy bogs, very common.

*capillifolium* S. Slender Bog-moss. Perennial. June.  
In bogs on moor land.

PHASCUM. *Flor. Brit.* 1149.

*subulatum.* P. Awl-leaved Earth-moss. Annual. Bearing capsules during March.  
On dry banks, common.

*cuspidatum.* P. Sharp-leaved Dwarf Earth-moss. Annual. Bearing capsules during March.  
On dry banks and neglected garden walls, frequent.

*muticum.* P. Common Dwarf Earth-moss. Annual.  
Bearing capsules during the winter.  
On sandy banks and heaths, common.

GYNOSTOMUM. *Flor. Brit.* 1158.

*truncatum.* G. Little Blunt-fruited Beardless-moss. Annual. Bearing capsules early in the spring.  
In fields and on banks, frequent.

*ovatum.* G. Hairy-leaved Beardless-moss. Annual.  
February—April.

*pyriforme.* G. Pointed Pear-shaped Beardless-moss.  
Annual. Bearing capsules in April and May.  
In moist fields and heaths, and occasionally on the  
tops of flower-pots.

SPLACHNUM. *Flor. Brit.* 1169.

*ampullace-* S. Purple Gland-moss. Annual. March,  
*um.* April.  
In wet heaths, common.

*Turneria-* S. Turnerian Gland-moss. Annual. May,  
*num.* June.  
In a boggy place on the moors above Helensburgh.

ENCALYPTA. *Flor. Brit.* 1180.

*vulgaris.* E. Common Extinguisher-moss. Annual.  
Bearing capsules during spring.  
On shady rocks, but not very common. On the  
banks of the Avon, near Hamilton.

GRIMMIA. *Flor. Brit.* 1183.

*apocarpa.* G. Sessile Bearded Grimmia. Perennial.  
Bearing fruit in the spring.  
On stones and the trunks of trees. Plentifully in  
Carmyle wood.

*pulvinata.* G. Grey Cushion Grimmia. *Eng. Bot.* Di-  
cranum pulvinatum. *Flor. Brit.* Perenni-  
al. Flowering during spring.  
Very common on walls, rocks, and the roofs of  
houses.

DICRANUM. *Flor. Brit.* 1201.

*scoparium.* D. Broom Fork-moss. Perennial. Bearing  
capsules during most of the year.  
On heaths and in woods, common.

*heteromal-* D. Silky Heath Fork-moss. Annual. Bear-  
*lum.* ing fruit during summer.  
In dry woods and on shady banks, frequent.

*aciculare.* D. Dark Mountain Fork-moss. Perennial. Bearing capsules during spring.  
In rivulets on the hills. On the hill above Milngavie, plentifully.

*glaucum.* D. White Fork-moss. Perennial. Flowering during the summer.  
On dry mountainous heaths, frequent.

*purpureum.* D. Purple-stalked Fork-moss. Redshank-moss. Annual. Bearing capsules during spring.  
On walls, dry banks, and rotten wood, very common.

*strumiferum.* D. Swelling Fork-moss. Perennial. Bearing capsules during summer.  
In boggy places, rare. In a wet pasture above Gilbertfield Castle.

**TRICHOSTOMUM. *Flor. Brit.* 1235.**

*lanuginosum* T. Toothed Hoary Fringe-moss. Perennial. Bearing capsules during autumn.  
In dry woods, on walls, and in exposed situations, not uncommon.

*canescens.* T. Common Hoary, Fringe-moss. Perennial. Bearing capsules in February and March.  
On dry heaths, frequent. Hills above Milngavie, plentifully.

**TORTULA. *Flor. Brit.* 1249.**

*mucronulata* T. Pointed-leaved Screw-moss. Perennial. Bearing capsules during spring.  
On walls, heaths, and barren places, frequent.

*fallax.* T. Fallacious Screw-moss. Perennial. Bearing capsules early in the spring.  
On walls, intermixed with the *muralis*.

*convoluta.* T. Convoluted Screw-moss. Perennial. Bearing capsules during the winter and spring.  
On dry banks, walls, and rocks, occasionally.

*ruralis.* T. Great Hairy Screw-moss. Perennial.  
Bearing capsules early in spring.  
On walls and roofs of cottages, frequent.

*subulata.* T. Awl-shaped Screw-moss. Perennial.  
Bearing capsules during winter and spring.  
In damp shady places, not common.

*muralis.* T. Wall Screw-moss. Perennial. Bearing capsules during winter and spring.  
On walls and roofs of cottages, very common.

**ORTHOTRICHUM. *Flor. Brit.* 1262.**

*striatum.* O. Common Bristle-moss. Perennial. Bearing capsules during spring.  
On the trunks of trees, occasionally.

*crispum.* O. Curled Bristle-moss. Perennial. Bearing capsules early in spring.  
On the trunks of trees.

**HYPNUM. *Flor. Brit.* 1276.**

*polyanthos.* H. Thread-shaped Feather-moss. Perennial.  
Bearing capsules early in spring.  
On old rotten trees, frequent.

*sericeum.* H. Silky Feather-moss. Perennial. Bearing capsules in winter and early in spring.  
On old walls, roofs of houses and the trunks of trees, common.

*dendroides.* H. Tree shaped Feather-moss. Perennial. Bearing capsules in February and March. In moist woods. In a wood to the north of Milngavie.

*curvatum.* H. Curve-branched Bushy Feather-moss. Perennial. Bearing capsules in spring and summer. On the trunks of trees, rare.

*myosuroides.* H. Mouse-tail Feather-moss. Perennial. Bearing capsules during spring. On rocks, frequent. On Cathkin hills.

*complanatum.* H. Flat Feather-moss. Perennial. Bearing capsules in March and April. In woods, on the trunks of trees, very common.

*riparium.* H. Short-beaked Water Feather-moss. Perennial. Bearing capsules during most of the year. On rotten wood and stones in streams, occasionally.

*undulatum.* H. Waved Feather-moss. Perennial. April—August. In dry woods. In Polliskin Glen. Ure.

*lucens.* H. Shining Membranaceous Feather-moss. Perennial. Bearing capsules from April—July. In marshes and shady woods. About Dougalston.

*splendens.* H. Shining Tamarisk Feather-moss. Perennial. Bearing capsules in March and April. In dry woods. In the woods, Dougalston.

*proliferum*. H. Opaque Proliferous Feather-moss. Perennial. Bearing capsules during March and April.  
In woods, on the ground, common.

*praelongum*. H. Long Trailing Feather-moss. Perennial. Bearing capsules during the winter and spring.  
In moist woods, frequent.

*velutinum*. H. Velvet Feather-moss. Perennial. Bearing capsules in February and March.  
On banks and in woods, common.

*serpens*. H. Creeping White-veiled Feather-moss. Perennial. Bearing capsules during March and April.  
In moist shady places, and on the ground, common.

*plumosum*. H. Rusty Silky Feather-moss. Perennial. Bearing capsules during winter and spring.  
On stones and on the roots of trees, occasionally.

*purum*. H. Neat Meadow Feather-moss. Perennial. Bearing capsules in November.  
In moist meadows and pastures, common.

*cuspidatum*. H. Pointed Bog Feather-moss. Perennial. Bearing capsules during March and April.  
In springs and clear marshes, frequent.

*fluitans*. H. Floating Feather-moss. Perennial. Bearing capsules during the summer.  
In clear streams. In a rivulet near Mugdock Castle.

*Rutabulum.* H. Common Rough-stalked Feather-moss. Perennial. Bearing capsules in March. On trunks of trees, frequent.

*striatum.* H. Common striated Feather-moss. Perennial. Bearing capsules in March. In shady places, frequent.

*stellatum.* H. Yellow Starry Feather-moss. Perennial. Bearing capsules in the spring. In bogs, occasionally.

*squarrosum.* H. Drooping-leaved Feather-moss. Perennial. Bearing capsules in the autumn and spring. In damp woods, frequent.

*triquetrum.* H. Great Triangular Feather-moss. Perennial. Bearing capsules in winter and spring. In woods and in wet heathy places, frequent.

*palustre.* H. Creeping Marsh Feather-moss. Perennial. Bearing capsules during summer. In marshes, on rotten wood and stones, rare. In the marsh, Dalbeth.

*cupressi-forme.* H. Cypress-branched Feather-moss. Perennial. Bearing capsules in April and May.

*molluscum.* H. Plumpy crested Feather-moss. Perennial. Bearing capsules in May and June. On dry rocks, rare. On rocks on the banks of the Kelvin.

FONTINALIS. *Flor. Brit.* 1336.

*antipyreti-* *ca.* F. Great Water-moss. Perennial. Bearing capsules during summer.  
In rivers, lochs, and in wells, common. In the Clyde, Calder and Cart. In Frankfield and Huggenfield lochs, abundantly.

*minor.* F. Lesser Water-moss. Perennial.  
Gillburnsynke. Ure. In the river Mouse at the Cartlane Crags.

FUNARIA. *Flor. Brit.* 1338.

*hygrometri-* *ca.* F. Twisting Cord-moss. Annual. Bearing capsules in April and May.  
On neglected gravel walks, walls, and in moist sandy places, very common.

BARTRAMIA. *Flor. Brit.* 1339.

*pomiformis.* B. Apple Bartramia. Perennial. Bearing capsules in April and May.  
In shady places and on rocks. Rocks at the falls of the Clyde.

*fontana.* B. Fountain Bartramia. Perennial. Bearing capsules in June and July.  
In clear rivulets and marshes, frequent. In a rivulet above Castlemilk, abundantly. Bog, Kenmuir.

MNIUM. *Flor. Brit.* 1344.

*palustre.* M. Greater Forked Spring-moss. Perennial. Bearing capsules during June and July.  
In bogs and moist heaths, frequent. Bog, Dalbeth.

BRYUM. *Flor. Brit.* 1347.

*carneum.* B. Flesh-coloured Thread-moss. Perennial. Bearing capsules during March and April. On the banks of the Cart opposite the Mill. Dr. Brown.

*cæspititium.* B. Lesser Matted Thread-moss. Perennial. Bearing capsules during March and April. On walls, roofs of houses and dry banks, very common.

*argenteum.* B. Silvery Thread-moss. Perennial. Bearing capsules during the winter and spring. On walls and on roofs, very common.

*julaceum.* B. Slender-branched Thread-moss. Perennial. Bearing capsules in January and February. In moist pastures on Cathkin hills.

*capillare.* B. Greater Matted Thread-moss. Perennial. Bearing capsules in March and April. In woods, not unfrequent.

*annnotinum.* B. Summer Thread-moss. Perennial. Bearing capsules from May till August. In moist turfey meadows and pastures, common.

*hornum.* B. Swan's neck Thread-moss. Bearing capsules in March. In moist woods, occasionally. In Hamilton and Carmyle woods.

*cuspidatum.* B. Pointed-leaved Thyme Thread-moss. Perennial. April, May. In moist woods, frequent.

*punctatum.* B. Dotted-leaved Thyme Thread-moss. Perennial. April, May.

In moist woods. In Hamilton woods, frequent.

*roseum.* B. Rosaceous Thyme Thread-moss. Perennial. Bearing capsules during the winter.

In woods, occasionally. Woods, Bothwell.

*ligulatum.* B. Long-leaved Thyme Thread-moss. Perennial. April.

In moist woods, and at the roots of trees, frequent.

**POLYTRICHUM. *Flor. Brit.* 1372.**

*commune.* P. Common Hair-moss. Perennial. May, June.

In woods, and in wet boggy places, very common.

*piliferum.* P. Bristle-leaved Hair-moss. Perennial. April, May.

On dry heaths and in woods, frequent.

*juniperinum.* P. Juniper-leaved Hair-moss. Perennial. April.

On heathy mountainous places, frequent.

*urnigerum.* P. Urn-headed Hair-moss. Perennial. August.

Amongst the turf on a wall near Rabroyston.

*subrotundum* D. Dwarf Round-headed Hair-moss. Annual. Bearing capsules during winter, and early in spring.

On dry sandy places. On the moors above Helensburgh.

*nanum.* P. Slender Round-headed Hair moss. Annual. Bearing capsules early in spring. On dry heathy places.

*aloides.* P. Dwarf Long-headed Hair-moss. Annual. Bearing capsules in the spring. In moist pastures, frequent.

*undulatum.* P. Undulated Hair-moss. Perennial. February, March. Common in woods, under hedges, and on the sides of ditches.

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### III. HEPATICÆ.

*epiphylla.* JUNGERMANIA. *With.* 1060. *Flor. Brit.* J. Broad leaved Jungermannia. March, April. On wet shady banks, frequent. Woods Hamilton, and at Barncluith.

*furcata.* J. Forked Jungermannia. April, May. In damp woods, occasionally. At Woodside.

*sinuata.* J. Jagged Jungermannia. April. In a moist wood near Milngavie.

*pinguis.* J. Slippery Jungermannia. April. In marshy places and woods, frequent.

*multifida.* J. Many-lobed Jungermannia. April, May. In moist shady places, rare. In Bothwell woods.

*asplenioides*. J. Spleenwort Jungermannia. February—April.

In woods and moist places, occasionally. Hamilton and Bothwell woods.

*strichomanes*. J. Fern Jungermannia. *Eng. Bot.* 1875. *J. scalaris*. *With.* Bearing fruit during the winter and spring.

In moist shady woods, frequent.

*bidentata*. J. Triangular-sheathed Jungermannia. Bearing fruit during winter.

In moist woods and on shady banks, frequent.

*viticulosa*. J. Straggling Flat Jungermannia. February—April.

In woods on the ground, rare. In Carmyle wood.

*polyanthos*. J. Many-Flowered Jungermannia. March, April.

In moist shady woods, frequent. In Hamilton woods, plentifully.

*undulata*. J. Wavy-leaved Jungermannia. March, April.

In woods at the roots of trees, occasionally.

*complanata*. J. Flat Jungermannia. March—May.

On trees in woods, common.

*tamariscifo-* *lia*. J. Tamarisk Jungermannia. March.

On the trunks of trees, frequent.

*incisa*. J. Jagged-leaved Jungermannia. *Eng. Bot.* 2528.

In marshes. In the marsh, Kenmuir, amongst bog moss.

*platyphylla*. J. Wall Jungermannia. March, April.  
In woods and on walls, frequent On trees in Carmyle wood, plentifully.

*serpyllifolia*, J. Thyme-leaved Jungermannia. Hook.  
*Brit. Jung.* 42.  
On trees, rare. In Dougalston woods.

MARCHANTIA. *With.* 1081. *Flor. Brit.*

*polymorpha*. M. Star-headed Marchantia. Perennial. July, August.  
In damp places, marshes, and on flower pots, common.

*var s.* Lichen domesticus minor. *Dillen.*  
On flower pots and walls, frequent. Leaves smaller than the other, opaque, not reticulated.

*conica*. M. Conical Marchantia. March, April.  
In damp shady places, not so frequent as the last.  
In Hamilton wood.

IV. ALGÆ.

LICHEN. *With.* Vol. 4. 1. *Flor. Brit.*  
*incanus*. L. Soft Mealy-crusted Lichen. *Byssus incana. Light.*  
In woods, on the trunks of trees, and amongst moss, frequent.

*rugosus.* L. *Opegrapha epiphega.* *Eng. Bot.* 2282.  
Broad Wrinkled Lichen, or *Opegrapha*.  
On the bark of trees, common.

*scriptus.* L. *Opegrapha scripta.* *Eng. Bot.* 1813.  
Black letter Lichen, or *Opegrapha*.  
On the smooth bark of trees, occasionally.

*vulgaris.* L. *Ach. Opegrapha vulgaris.* *Eng. Bot.* 1811.  
Common *Opegrapha*.  
On the bark of trees, common; generally confounded with the preceding.

*astroites.* L. *Ach. Opegrapha astroidea.* *Eng. Bot.* 1847.  
Starry Lichen or *Opegrapha*.  
On the smooth bark of trees, common.<sup>d</sup>

*fagineus.* L. Bitter Powdery-shielded Lichen.  
On the trunks of trees, frequent.

*lacteus.* L. *Variolaria lactea.* *Eng. Bot.* 2410. Milky-white Lichen or *Variolaria*.  
On whinstones on Cathkin and Campsie hills.

<sup>c</sup> *Opegrapha*. Gen. Char.

Seeds in black, linear, sessile, simple or branched, bordered clefts, in an uninterrupted crust. *Eng. Bot.*

<sup>d</sup> *Opegrapha scripta*. Clefts linear, slightly zigzag, simple or branched in a parallel direction.

*O. vulgaris*. Clefts linear, zigzag, simple or branched, but not in a parallel direction.

*O. astreidea*. Clefts branched, always in a starry form.

<sup>e</sup> *Variolaria*. Gen. Char.

Receptacles cup-shaped, with a torn border from the crust, powdery, with a fertile disk beneath. *Eng. Bot.*

*simplex.* L. Simple Black-Lichen. *Lecidea privigna.*  
*Ach. Method.*<sup>1</sup>  
 On slate and sand stones, frequent.

*parasemus.* L. Common Black-shielded Lichen. *Eng. Bot.* 1450. *L. sanguinarius.* *Light.*  
 On the smooth bark of trees, very common.

*confluens.* L. Confluent-shielded Lichen.  
 On rocks, occasionally. On Cathkin hills.

*geographicus.* L. Map Lichen.  
 On stones and rocks, occasionally. On Cathkin and Campsie hills.

*sulphureus.* L. Sulphureous Lichen.  
 On walls, rocks, and occasionally on wood. Rocks and walls about Helensburgh.

*Glaucoma.* L. Wall-eyed Lichen. *Eng. Bot.* 2156.  
 On slate and whin stone. On Campsie hills.

*Perellus.* L. Crab's-eye Lichen.  
 On stones and rocks in exposed situations, frequent.  
 On walls and stones at Helensburgh, common.

*ater.* L. Black-shielded Lichen.  
 On walls, rocks, and even on trees, common.

*circinatus.* L. Radiant Crustaceous Lichen. *Eng. Bot.* 1941. *L. subimbricatus,* *With.*  
 On flat stones, not unfrequent. On walls at Cathkin.

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<sup>1</sup> *Lecidea.* Gen. Char.  
 Spangles sessile, with a flat or convex disk.

*sulcifuscus.* L. Brown-shielded Crustaceous Lichen.  
On the bark of trees, very common.

*ferrugineus.* L. Rusty-shielded Lichen. *Eng. Bot.* 1650.  
L. *crenularius.* *With.*  
On rocks and trees, frequent.

*tartareus.* L. Tartareous Lichen.  
On rocks and stones, frequent.

*murorum.* L. Yellow Wall Lichen. L. *flavicans.* *With.*  
On walls, rocks, and stones.

*elegans.* D. Elegant Orange Lichen. *Eng. Bot.* 2181.  
On stones, rare. Rocks on Cathkin hills, and frequent about Helensburgh.

*vitellinus.* L. Yolk of Egg Lichen. L. *candelarius.*  
*With.*  
On pales and smooth wood exposed to the weather, common.

*candelarius.* L. Yellow Candle Lichen. L. *concolor.*  
*With.*  
On old posts and doors, occasionally.

*polycarpus.* L. Yellow many-fruited Lichen. *Eng. Bot.* 1795.  
On wood and posts exposed to the weather, frequently intermixed with the preceding.

*stellaris.* L. Black-shielded stellated Lichen.  
On the bark of trees, common.

*pulverulentus.* L. Green Powdery stellated Lichen. L. *stellaris. s. and r.* *With.*  
On the trunks of trees, very common.

*physodes.* L. Inflated Lichen.  
Trunks of trees and stones, occasionally. On Cathkin hills, plentifully.

*sinuosus.* L. Sinuous Imbricated Lichen. *Eng. Bot.* 2050.  
On stones on Cathkin hills, not unfrequent.

*saxatilis.* L. Grey Stone Lichen.  
On rocks and stones, not uncommon.

*parietinus.* L. Yellow Wall Lichen.  
On walls, trunks of trees, and posts, very common.

*olivaceus.* L. Olive-coloured leafy Lichen.  
On the bark of trees, frequent.

*alcicornis.* L. Elk's-horn Cup Lichen. *Eng. Bot.* 1392.  
L. *foliaceus.* *With.*  
On dry heaths, rare. Moors on Campsie hills.

*pyxidatus.* L. Common Cup Lichen.  
On heaths and on wall tops, common.

*fimbriatus.* L. Fringed Cup Lichen.  
On heaths, occasionally. About Milngavie.

*gracilis.* L. Slender Cup Lichen.  
On dry heaths. Moors above Milngavie.

*filiformis.* L. Thread-shaped Cup Lichen.  
On dry heaths with the last, but more frequent.

*cocciferus.* L. Scarlet Cup Lichen.  
On heaths and tops of walls, frequent.

*cornutus.* L. Horned Cup Lichen.  
On heaths, occasionally.

*fragilis.* L. Brittle Globe Lichen. *Sphaerophoron fragile.* Eng. Bot. 2474. <sup>a</sup>  
On rocks and heaths, in mountainous situations. On heaths on the Campsie hills.

*globiferus.* L. Globe Lichen. <sup>b</sup>  
On mountainous heaths. On the turf of walls on Cathkin hills, plentifully.

*rangiferinus* L. Rein-deer Lichen.  
On heaths, occasionally. Moors to the north of Glasgow, frequent.

*uncialis.* L. Short perforated Lichen.  
On heaths, frequent.

*farinaceus.* L. Ragged Mealy Lichen.  
On the branches of trees, frequent. At Dougalston, abundantly.

*pulmonari-* L. Lungwort Lichen.  
*us.* On the trunks of large trees, occasionally. On the old walnut trees at Barncluith.

*ciliaris.* L. Great Ciliated Lichen.  
On the trunks and branches of old trees, frequent.

*tenellus.* L. Little ciliated Lichen.  
On the branches of small trees and shrubs, frequent.

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<sup>a</sup> *Sphaerophoron.* Gen. Char.

Receptacles nearly globose, terminal, of the substance of the frond. Seeds in a dense black powdery ball.

<sup>b</sup> This Lichen also comes under the division *Sphaerophoron*, of Acharius.

*frarineus.* L. Leafy Ash Lichen.  
On the branches of old oaks and ash trees, common.

*asperatus.* L. Wrinkled Sulpher Lichen.  
On large trees, occasionally; seldom found in fructification.

*miniatus.* L. Grey Cloudy Lichen.  
On shady rocks, occasionally. On rocks opposite the Mill at Cartside.

*perlatus.* L. Pearly Lichen.  
On the trunks of trees, frequent, but seldom found in fructification.

*caninus.* L. Ash-coloured Ground Lichen.  
In woods, heaths, and on banks, common.

*rufescens.* L. Dark-coloured Ground Lichen. *Eng. Bot.* 2300. *L. caninus s. Light.*  
In the same places as the last, and equally common.

*resupinatus.* L. Reversed Lichen.  
On the stems and roots of trees, and on stones. On the rocks Dumbarton Castle. Dr. Smith.

*sylvaticus.* L. Wood Pitted Lichen.  
On the ground in woods, rare. Woods at the falls of the Clyde.

*tremuloides.* L. Nostoc Gelatinous Lichen. *Eng. Bot.* 1981. *L. cochleatus. With.*  
In a moist spot near the bottom of the rock on the east side of Dumbarton Castle. Dr. Smith.

## LEPRARIA.

*Ach. Prod. Flor. Brit.*

*botryoides.* L. Common Green Lepraria. *Eng. Bot.* 2148. Lichen *botryoides*. *With.*  
On the bark of trees, old wood, and on flower pots, very common.

*alba.* L. White Lepraria. *Eng. Bot.* 1349. Lichen *albus*. *With.*  
On the bark of old trees, on mosses, and sometimes on the ground.

*flava.* L. Yellow Lepraria. *Eng. Bot.* 1350. Lichen *flavus*. *With.*  
On the bark of old trees, frequent. On the trees in Ardencaple wood, very common.

*nigra.* L. Black Lepraria. *Turn. and Borr. Lich. Brit.* v. 1. 21.  
On the flat tops of gate posts, frequent.

TREMELLA. *With.* vol. 4. 83. *Flor. Brit.*

*albida.* T. Whitish Tremella.  
On rotten branches of trees, and on pales. On rotten wood at Dalbeth.

*arborea.* T. Witches' Butter Tremella.  
On fallen trees and on dead wood, frequent. Found on the trunk of a dead tree in Carmyle wood for several years past, about February.

*sarcoides.* T. Fleshy Tremella.  
On rotten wood in damp shady places, rare. On the stump of a tree near the pond, Dalbeth.

<sup>1</sup> Lepraria. Gen. Char.Seeds in a powdery substance, loosely clothing a membranous or fibrous crust. *Achar.*<sup>1</sup> I have preserved specimens of this plant in spirits for four years, without the least change in its appearance.

*Sabinæ.*

T. Savine Tremella. Perennial. May.

On living plants of the *Juniperus Sabina* and common, frequent.<sup>k</sup>*mesenterica.* T. Plaited Yellow Tremella.  
On dead wood, occasionally.*ferruginea.* T. Plaited Rusty Tremella. *Eng. Bot.* 1452.  
On dead wood, rare. Found on the pales before the  
Baths, Helensburgh, in October.*Nostoc.* T. Ground Tremella. Star-slough.  
In pastures after rain, occasionally.*influmescens.* T. Brown tumid Tremella. *Eng. Bot.* 1870.  
On the roots of beech trees at Carmyle.

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<sup>k</sup> For several years past, this singular production has regularly made its appearance about the middle of May, upon a young plant of the *Juniperus Sabina*, in Dalbeth garden.

When examined by a good microscope, it seems to consist of a mass of fibres running irregularly across each other, interspersed with many opaque, globular, bodies, probably the seed.

Last summer I cut a branch of the Savine tree, (upon which this plant was accustomed to grow) almost in two, so as to occasion its death. The rudiments of the Tremella, made their appearance upon the dead branch at the same time with those upon the living ones, but the former scarcely attained the size of a large pin head, whilst the latter in the course of two days attained their full size, being nearly an inch long.

From this circumstance, from its regularity in appearing within a few days of the same time each year, and from its indissolubility not only in water, but even in spirits, having kept a quantity of it in spirit of wine for nearly two years, without any dissolution of its substance, I am much inclined to suppose it a vegetable, and not merely a gummy exudation.

*Auricula.* T. Jew's-ear Tremella. *Eng. Bot.* 2447.  
*Peziza auricula.* *With.*  
 Upon a rotten tree at Dalbeth, in September, 1811.<sup>1</sup>

*cruenta.* T. Gory Tremella. *Eng. Bot.* 1800.  
 About the bottom of walls in damp situations in winter. North side of St. George's Church.<sup>m</sup>

*riicularis.* CONFERVA. *With.* vol. 4. 144. *Flor. Brit.*  
 C. Long River Conferva.  
 In brooks and rivers, frequent. In the Clyde, plentifully.

<sup>1</sup> The plant above mentioned agreed perfectly with the description and figure in *Eng. Bot.* except in colour, being of a dark red.

<sup>m</sup> Several species of Fuci and Ulvæ are to be found at the mouth of the River Clyde, but they scarcely come within the limits of the present Catalogue. The following however I have collected on the shore at Helensburgh.

Fucus nodosus. Knobbed Fucus, extremely common.  
 F. vesiculosus. Bladder Fucus, common. F. serratus. Serrated Fucus, common. F. spiralis. Spiral Fucus.  
 F. esculentus. Eatable Winged Fucus. F. sinuosus. Red Oak-leaved Fucus, *Turn.* *Syn.* rare. F. alatus. Winged Crimson Fucus. F. saccharinus. Sweet Fucus.  
 F. digitatus. Fingered Fucus, or Sea Hangers. F. canaliculatus. Channelled Fucus, not common. F. palmatus. Red Palmate Fucus, or Dulse. F. edulis. Red Leathery Fucus, or Dulse, rare. F. laciniatus. Jagged Fucus, *Turn.* *Syn.* rare. F. laceratus. Endive-leaved Fucus. *Eng. Bot.* 1067. F. laciniatus. *var.* 1. *With.* F. crispus. Crisped Fucus. F. pennatifidus. Pinnatifid Fucus, rare. F. Filum. Thread Fucus, or Sea Laces. F. lumbicalis. Worm-like Fucus. *Eng. Bot.* 824. fastigiatus. *With.* F. aculeatus. Prickly Fucus, rare. F. coccineus. Pectinated Crimson Fucus, common. F. plumosus. Feathery Fucus, rare.

Ulva umbilicalis. Peltate Laver, not common. U. Lactuca. Green Laver, or Oyster Green, frequent. U. compressa. Compressed Laver, very common.

*fontinalis.* C. Brownish Spring Conferva.  
In rivulets, springs, and stagnant water, common.  
Frequently found in wells.

*bullosa.* C. Bladder Conferva.  
In stagnant water, very common.

*littoralis.* C. Common Soft Conferva.  
Upon stones on the sea shore. At Helensburgh, frequent.

*alternata.* C. Alternate Conferva.  
In ditches and stagnant waters, frequent. Pond, Dalbeth, abundantly.

*fluvialis.* C. Horse-tail Conferva.  
In rapid streams, rare. In a rivulet on the hill to the north of Milngavie.

*atra.* C. Black Beaded Conferva.  
In ditches, not common. In a ditch beyond the march Possil, plentifully.

*gelatinosa.* C. Frog-spawn Conferva.  
In rivulets, clear springs and wells, frequent. In a well near Clyde Iron Works. Well on the north side of Mugdock Castle.

*muralis.* C. Green Wall Conferva. *Eng. Bot.* 1554.  
On damp walls, stones and shady gravel walks, very common.

*velutina.* C. Green Velvet Conferva. *Eng. Bot.* 1556.  
Byssus velutina. *With.*  
On the ground in damp shady places, not uncommon. <sup>n</sup>

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<sup>n</sup> It differs from the preceding, with which it has often been confounded, in the filaments being upright and branched, not prostrate and simple, as in the muralis.

*aurea.* C. Golden Conferva. *Dillw.* *Conf.* *Bryssus aurea.* *Eng. Bot.*  
On the sides of rocks and caverns, rare. Below a rock at Mugdock Castle, near the house, plentifully.<sup>o</sup>

*bipunctata.* C. Double-dotted Conferva.  
In stagnant waters, frequent.

*polymorpha.* C. Black Tufted Conferva.  
Frequently found growing on the *Fucus nodosus*, at Helensburgh.

*inflata.* C. Inflated Combined Conferva.  
In ditches and bogs, frequent. Very common in all the bogs and ditches in this neighbourhood.

*tumidula.* C. Tumid-jointed Conferva. *Eng. Bot.* 1670 and 2376.  
In ditches and bogs with the last, but not so common.

*rupestris.* C. Green Rock Conferva.  
On rocks and stones on the sea shore, common.  
About Helensburgh.

*ægagropila.* C. Globe Conferva, or Moor Balls.  
In ditches, bogs, and stagnant waters, occasionally.  
In a ditch leading into Mugdock loch, plentifully, and in the loch.

<sup>o</sup> There can be no doubt, in referring this beautiful plant to the genus *Conferva*, and which an examination of its structure perfectly warrants. Plant in tufts and when growing on moss, in roundish patches, filaments proceeding as if from a common centre, as observed in *Eng. Bot.* alternately branched, jointed, tapering towards the point. Seeds at first diffused through the whole joints; afterwards collected in the centre of each joint or partition, forming a dark orange coloured spot.

*dissiliens.* C. Brittle-jointed Conferva. *Eng. Bot.* 2464.  
In a ditch near Possil bog.

*limosa.* C. Dark-green Mud Conferva. *Eng. Bot.* 2053.  
In rivulets and ditches, frequent.

*nitida.* C. Deep-green Combined Conferva. *Eng. Bot.* 2337.  
In stagnant waters, occasionally.

*spiralis.* C. Combined Spiral Conferva. *Eng. Bot.* 1656.  
A frequent inhabitant of ditches and ponds.

*ovalis.* C. Oval Conferva.  
In ditches, rare. In a ditch, Dalbeth. <sup>p</sup>

*diversa.* C. Various jointed Conferva.  
In ditches and stagnant waters, but not common. <sup>q</sup>

<sup>p</sup> The Conferva mentioned above under the name *ovalis*, I found in great abundance, floating on the surface of a ditch at Dalbeth, in the month of May.

It is just visible to the naked eye; when examined with a glass, it is a little oval body, tapering to a point at each end, about three times longer than broad, having a single partition in the middle, seeds light green, round, at first diffused over the whole plant, afterwards collected closely together in the middle of each division, leaving the edges transparent.

Spec. Char. Light green, filament simple, oval, with a single joint dividing it into two parts.

<sup>q</sup> This Conferva was found in a ditch to the north of Possil bog.

The Filaments are from an inch to two inches long, pale green, joints twice as long as broad. The principal branches are alternate, growing from a joint; but besides

RIVULARIA. *Roth Catal.*

*tuberculosa.* R. Tubercular Rivularia. *Eng. Bot.* 2366.  
In ditches and lochs, occasionally. In a ditch leading into Frankfield loch. In a well near Clyde Iron-Works.

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## V. FUNGI.

MERULIUS. *With. Vol. 4. 177. Flor. Brit.*

*collariatus.* M. Black stalked Merulius. *Agaricus Rotula. Sower.* August.  
On sticks in woods, frequent.

*Cantharellus.* M. Chantarelle Merulius. *Agaricus. Sower.* July—September.  
In woods, especially fir. It is sometimes eaten, but is by no means so good as the *A. campestris*.

*squamula.* M. Agaricus. *Sower.*  
Found on decayed beech leaves in Bothwell wood in August.

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these, it has other subsidiary branches, growing both from the main stem, and from the principal branches, the base of which is a round expanded disk similar to that of some species of *Fuci*, as the *serratus*, and *membranifolius*.  
Spec. Char. Pale green, filaments jointed, branched. Regular branches, alternate, growing always from a joint; irregular ones growing on various parts of the plant, their base, a round, expanded, disk.

Rivularia. Gen. Char.

Frond gelatinous, firm, destitute, of an external cuticle. Fructification, among jointed filaments, lodged in the substance of the frond.

**AGARICUS.** *With. Vol. 4. 185. Flor. Brit.**fragrans.*

A. Sweet smelling Agaric. September—October.

In fir woods. In a fir wood near Helensburgh, but not plentiful.

*velatus.*

A. September.

In fir woods not unfrequent. In a wood near Kenmuir.

*lactifluus.*

A. Milky Agaric. July, August.

In woods occasionally. Not unfrequent in Bothwell woods.

*amethystinus.*

A. Amethyst Agaric. July, October.

In moist woods, occasionally. In Carmyle wood.

*rutilus.*

A. In the Autumn.

In fir woods, but not very common.

*crassipes.*

A. August, September.

On the roots of decayed trees.

*muscarius.*

A. Fly Agaric. August—October.

In woods, very frequent.

*stipites.*

A. September, October.

On stumps of trees, common, frequently in clusters.

*integer.*

A. Red Agaric. August—October.

In woods, frequent, found in most seasons of the year, varying much in colour, being red, purple, lilac, or yellow.

*elephantinus.*

A. August, September.

In woods, occasionally. In the plantation opposite Dalbeth house, frequent.

*violaceus.* A. Violet Agaric. August—October.  
On the ground, in gardens, and on grass walks, but not common.

*orcadie.* A. Scotch bonnets. June—October.  
On the ground in pastures, frequently forming circles, called fairy rings.

*horizontalis.* A. Horizontal Agaric.  
On old trees in the autumn, frequent, especially after rain.

*campestris.* A. Common Mushroom. August, September.  
In pastures, frequent.

*Georgii.* A. Sower. 304. A. *campestris* var.?  
In pastures, occasionally, growing to a large size.<sup>6</sup>

*hinnuleus.* A.  
In fir woods in the autumn, not uncommon.

*luteus.* A. Yellow Agaric. August.  
Amongst the bark in stoves and hotbeds, but not common.

*niveus.* A. Snowy Agaric.  
In exposed pastures. Amongst moss on the moors.

*farinaceus.* A. Powdered Agaric. August—October.  
In woods on the ground, but not common.

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<sup>6</sup> Except in size, this seems to differ very little from the *campestris*. A plant of the common Mushroom as it was called, but probably of this species, was found in the neighbourhood of Paisley, which was nine inches high, forty three in circumference, and weighed five pounds six ounces.

*parvus.* A. August.  
Amongst short grass and moss, occasionally.

*tener.* A. September, October.  
Amongst short grass, and on moors.

*aurantius.* A. June—October.  
In meadows and on heaths, frequent.

*ceraceus.* A. September.  
Amongst grass, not uncommon. It is said to taste like the common Mushroom.

*semi-globa-  
tus.* A. July—October.  
On the ground, every where common.

*procerus.* A. Tall Agaric. August—October.  
On the ground, generally near trees.

*stercorarius.* A.  
On dunghills in the autumn, frequent.

*clypeolarius.* A. August, September.  
In woods and fir plantations, but not common.  
In Bothwell wood near the west gate.

*alliaceus.* A. August, September.  
Occasionally on rotten wood in woods, smelling like garlic.

*congregatus.* A. Striatus. Sower. August—October.  
On stumps of trees, and at the bottom of posts, frequent.

*cylindricus.* A.  
In gardens, pastures, and amongst rubbish during the summer and autumn, frequent.

*lacrymabun-* A. August, September.  
*dus.* In woods, occasionally. In the woods, Bothwell.

*dryophyllus.* A. August, September.  
 In pastures and woods, not uncommon.

*ovatus.* A. September—October.  
 At the roots of trees in Carmyle wood.

*semi-ovatus.* A. June—September.  
 In cow pastures and on dunghills, frequent.

*plicatilis.* A.  
 In pastures and new mown grass fields during the summer and autumn, frequent.

*flabelliifor-* A. August—December.  
*mis.* On the stumps and decayed branches of trees, frequent.

*betulinus.* A. Birch Agaric.  
 On the stumps of trees during most of the year.  
 On the stumps of trees on the banks of the Clyde at Bogle's hole, plentifully.

*quercinus.* A. Oak Agaric.  
 On the stumps of oak and other trees occasionally, during most of the year. In Ardencaple wood.

*muralis.* A. Wall Agaric. *Sower.* 322.  
 On walls, frequent during the summer and autumn.  
 On the walls about Helensburgh, very common.

BOLETUS. *With.* Vol. 4. 344. *Flor. Brit.*

*aurantiacus.* B. June, July.  
 In woods, occasionally. In Bothwell wood, and frequent in a small wood near Carmyle.

*bovinus.* B. Brown Boletus. *B. scaber. Sower.* July—September.  
In woods, common. In Hamilton, Daldowie, Bothwell, and Carmyle woods.

*luteus.* B. Yellow Boletus. August—October.  
In woods, and sometimes in pastures. In Carmyle and Bothwell woods. Woods, Dougalston, plentifully.

*communis.* B. *Sower. 225. sanguineus. With.*  
In woods, and on dry shady banks, frequent. Wood near Tollcross, abundantly.

*rugosus.* B. July—September.  
Stumps of trees, rare. In woods, Bothwell.

*squamulosus.* B. Scaly Boletus. June—September.  
On stumps of trees, frequent.

*lateralis.* B. Lateral Boletus. August—September.  
On the trunks of trees, but not common. At Woods-side. Ure.

*lachrymans.* B. Weeping Boletus. Dry rot.  
On decayed wood in cellars and out-houses, and sometimes on posts exposed to the weather. On the wood of churches and houses. <sup>u</sup>

<sup>t</sup> A plant of this species has regularly made its appearance for several years past, on the stump of an ash tree at Dalbeth.

In 1810 it attained an extraordinary size, being seven feet five inches in circumference, and weighing after having been cut four days, thirty four pounds avoird. It was only four weeks in attaining the above size, gaining thus an acquisition of weight of above one pound three ounces in the day.

<sup>u</sup> "In damp places the fructification is very frequent,

*versicolor.* B. Striped Boletus.  
On trees and rails frequent, during most of the year.

*igniarius.* B. Touchwood Boletus.  
Trunks of trees frequent, during most. of the year.  
Trunks of ash trees at Dalbeth. In a wood near Calder bridge, of a large size.

HYDNUM. *With.* Vol. 4. 368. *Flor. Brit.*

*repandum.* H. Yellow smooth Hydnnum. September—December.  
In woods, rare. In the woods Torrance. Ure. Woods, Dougalston.

HELVELLA. *With.* Vol. 4. 372.

*mitra.* H. Curled Helvella. August—October.  
In woods, rare. In a wood near Castlemilk. Ure. At Dougalston.

*aurea.* H.  
On sticks and stumps of trees, in woods and moist places, frequent.

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and has often an extremely elegant and grotesque appearance, hanging in inverted cones and other shapes; the porous surface is very unequal, forming various reticulations and sinuses. Their colour varies from yellow to orange, or a bright red brown. The whole fructification often forms a circle, from one to six or eight inches in diameter, surrounded with an outer substance, tender, and pithy or cotten, of a pale brown. The upper part is commonly clothed with a white mucor. This pithy substance without fructification is often found by itself, and is very dry, whence the English name of *dry rot*; yet as the fructification is seldom without drops of water, resembling tears, the Latin name *lachrymans* or weeping, has been given it." *Sower. Eng. Fungi.*

AURICULARIA. *With. Vol. 4. 376.*

*ferruginea.* A. Rusty Auricularia. June, July.

On old pales and decayed wood, not uncommon.

*nicotiana.* A. *tabacina. Sower.*

On the branches of decayed trees in the spring, frequent.

*reflexa.* A.

On the stumps of trees, and on rotten wood during the winter and spring, not uncommon. In the woods, Castlemilk. Ure. In Hamilton wood.

*tremelloides.* A.

On rotten wood, and on the stumps of trees during most of the year, frequent.

PEZIZA. *With. Vol. 4. 379.*

*nivea.* P. Snowy Peziza. August, September.

On rotten wood and decayed trees, frequent.

*bicolor.*

P. *Sower. 17.*

On the fallen branches of trees, frequent, differing from the last in having its centre orange coloured.

*punctata.*

P. Dotted Peziza. Sphæria. *Sower. May—October.*

On dry dunghills, and on old hotbeds, rare.

*coccinea.*

P. Scarlet Peziza.

On rotten sticks in woods. A group of about ten of this beautiful species I found in Hamilton wood, on an old branch of a tree, during the last autumn.

*cochleata.*

P. Wreathed Peziza. July—October.

On the dung of old hotbeds, not uncommon.

*scutellata.* P. Ciliated Peziza. June—September.

On rotten wood, dung, and often on the ground in hotbeds and in flower pots, common.

*vesiculosa.* P.

On the ground on road sides, and on dunghills during the spring and autumn, but not common.

**PHALLUS.** *With.* Vol. 4. 393. *Flor. Brit.*

*esculentus.* P. Esculent Morel.

In woods, and under hedges in dry situations during spring, but not common. In a dry sandy field at Mount Vernon.

*impudicus.* P. Stinking Morel. *foetidus.* *Sower.* July—September.

In woods and under hedges, frequent.

**CLAVARIA.** *With.* Vol. 4. 395.

*Spathula.* C. *Helvella spätulata.* *Sower.* August—October.

In woods, rare. In Dougalston wood.

*herculeana.* C. August—October.

On the ground amongst rotten leaves, and sometimes on decayed wood. In Dougalston wood.

*var 4. With.* C. *vermiculata.* *Light.*

On heaths, frequent.

*var 5. With.* C. *vermicularis.* *Light.*

On the ground in woods, occasionally.

*ophioglossoides.* C. Black Clavaria. September—October.

On moist heaths, and in woods, occasionally, seldom found with more than one head.

*cornea.* C. February.

On the top of a gate post at Dalbeth.

*coralloides.* C. Coral Clavaria. August—October.

Under trees, rare.

*var 6. With.*

In Bothwell wood, colour greyish white.

*muscoides.* C. Dwarf Clavaria. September, October.

On heaths, and in woods and gardens, occasionally.

*Hypoxylon.* C. Horned Clavaria.

On rotten wood, extremely common during all the year; inserting its roots several inches into the wood.

LYCOPERDON. Vol. 4. 408. *Flor. Brit.*

*proteus.*

L.

In dry pastures, and on banks during most of the year, frequent. It varies much in size and even in shape.

*globosum.*

L.

In dry fields, frequent in the summer and autumn.

In the dry sandy fields and banks about Carmyle, plentiful.

<sup>v</sup> In the communications to the Board of Agriculture, vol. 7, p. 2. is a paper by A. P. Hore, a native of Poland, in which he mentions that the Eau Medicinal, so celebrated for the cure of rheumatic and gouty complaints is an infusion of this plant. (*Lycoperdon bovista*.)

It is given, says Mr. Hore, mixed with the inner bark of the *Sambucus Ebulus*, and frequently the latter is given alone, with much success, in the before mentioned complaints.

*epiphyllum*. L. Yellow Puff-ball. August—May.  
On the back of the leaves of the *Tussilago Farfara*,  
very common.

*epidendrum*. L. Purple Puff-ball. August—October.  
On rotten wood, stumps of trees, and sometimes on  
the ground especially after rain, very common;  
colour red, brown, or tawny.

RETICULARIA. *With. Vol. 4. 421.*

*Lycoperdon*. R. April—December.

On decayed trees and paling, in wet weather. On a  
fallen tree in Carmyle wood, plentifully.

*septica*. R. *hortensis*. *Sower. 399. fig. 1.* August—  
May.

On the tan in hotbeds and stoves, extremely common.

*ovata*. R. *lutea*. *Sower. 399. fig. 2.* August.  
On grass and mosses, occasionally.

*segetum*. R. Blight. Smut. *Uredo frumenti. Sower.*  
August.

On wheat and oats, too common.

SPHÆRIA. *With. Vol. 4. 424.*

*gregaria*. S. *Spiloma tumidulum. Eng. Bot.* Febru-  
ary—April.  
On the bark of trees, occasionally.

*fragiformis*. S. September.  
On rotten wood, frequent.

*Tremelloi-  
des*. S. *Clavaria coccinea. Sower? 294.*  
On rotten sticks, frequent. Often found on wet  
moors.

*lycoperdoi-* S. *Lycoperdon variolosum. Sower. 271.*  
*des.* On stumps of trees, and on sticks in damp woods,  
 occasionally; during most part of the year.

*tuberculosa.* S.  
 On pieces of rotten wood, not uncommon.

*depressa.* S. *September—April.*  
 On the bark of decayed branches of trees, frequent.

*concava.* S. *Sower. 317.*  
 On the upper side of decayed holly leaves, very  
 common.

*spiculifera.* S. *Sower. 274.*  
 On grass, rare. Found surrounding some blades of  
 grass at Hamilton Farm, in July.

TRICHIA. *With. Vol. 4. 432.*

*alba.* T.  
 On rotten sticks. On the peat in wet moors, frequent.

MUCOR. *With. Vol. 4. 437.*

*Mucedo.* M. Common Mould.  
 On putrid wood, bread, and vegetables, at all seasons of the year.

*urceolatus.* M. August.  
 On horse dung, early in the morning.

*Embolus.* M. Globe Mould.  
 Found on rotten wood, at all seasons.

*lignifragus*. M. Blue Mould.

On rotten wood and on cheese, common, at all seasons.

---

PLANT OMITTED.

CRYPTOGAMIA ALGÆ.

*crispa*.

**Ulva.** Crisped or Curled Laver.

Found on the ground in moist shady places, during most of the year.

FINIS.

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